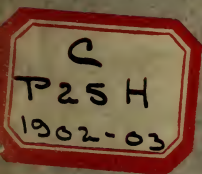


Thomas Arthur Clark
PARSONS COLLEGE BULLETINS

SERIES III, NUMBER I

FEBRUARY, 1903



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Thomas Apple Clark

ANNUAL CATALOGUE

OF

PARSONS COLLEGE

FOR THE

COLLEGE YEAR 1902-1903

WITH

ANNOUNCEMENTS FOR 1903-1904

FAIRFIELD, IOWA
PUBLISHED BY THE COLLEGE
1903

JUNE.								DECEMBER.							
S	M	T	W	T	F	S		S	M	T	W	T	F	S	
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JUNE.						
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19	20	21	22	23	24	25
26	27	28	29	30
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College Calendar.

1902.

September 16.	Tuesday . . .	Fall Term Begins.
September 16.	Tuesday . . .	Registration and Entrance Examinations.
November 27.	Thursday . . .	} Thanksgiving Recess.
November 30.	Sunday . . .	
December 18.	Thursday . . .	Oratorical Association's Annual Contest.
December 18.	Thursday . . .	Fall term ends.

1903.

January 6.	Tuesday . . .	Winter Term Begins.
January 23.	Friday	Foster Prize Debate.
January 29.	Thursday . . .	Day of Prayer for Colleges.
February 22.	Sunday	Washington's Birthday.
March 19.	Thursday . . .	Winter Term ends.
March 20.	Friday	Spring Term Begins.
May 31.	Sunday	Baccalaureate Sermon.
May 31.	Sunday	Address before the Christian Associations.
June 1.	Monday . . .	Concert by School of Music.
June 2.	Tuesday . . .	Meeting of Board of Trustees.
June 2.	Tuesday . . .	Graduating Exercises and Annual Prize Contest of the Academy.
June 2.	Tuesday . . .	Exercises of Literary Societies.
June 3.	Wednesday . .	Examinations for Admission.
June 3.	Wednesday . .	Class Day.
June 3.	Wednesday . .	Junior and Freshman Prize Contests.
June 4.	Thursday . . .	Alumni Meeting.
June 4.	Thursday . . .	Commencement Day.

September 22.	Tuesday . . .	Fall Term Begins.
September 22.	Tuesday . . .	Registration and Entrance Examinations.
November 26.	Thursday . . .	} Thanksgiving Recess.
November 29.	Sunday . . .	
December 17.	Thursday . . .	Oratorical Association's Annual Contest.
December 17.	Thursday . . .	Fall term ends.

1904.

January 5.	Tuesday . . .	Winter Term Begins.
January 22.	Friday . . .	Foster Prize Debate.
January 28.	Thursday . . .	Day of Prayer for Colleges.
February 22.	Monday . . .	Washington's Birthday.
March 24.	Thursday . . .	Winter term ends.
March 25.	Friday . . .	Spring Term Begins.
June 5.	Sunday . . .	Baccalaureate Sermon.
June 5.	Sunday . . .	Address before the Christian Associations.
June 6.	Monday . . .	Concert by School of Music.
June 7.	Tuesday . . .	Meeting of Board of Trustees.
June 7.	Tuesday . . .	Graduating Exercises and Annual Prize Contest of the Academy.
June 7.	Tuesday . . .	Exercises of Literary Societies.
June 8.	Wednesday . .	Examinations for Admission.
June 8.	Wednesday . .	Class Day.
June 8.	Wednesday . .	Junior and Freshman Prize Contests.
June 9.	Thursday . . .	Alumni Meeting.
June 9.	Thursday . . .	Commencement Day.

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	HON. CHARLES D. LEGGETT,	-	-		Fairfield, Iowa

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S. H. HARPER, Ottumwa, Iowa.

Faculty.

REV. FREDERICK W. HINITT, PH. D., D. D.,

President,

Armstrong Professor of Mental and Moral Sciences.

B. S., Westminster College, 1889; A. B., *ibid.*, 1890; A. M., *ibid.*, 1893; McCormick Theological Seminary, 1889-92; Ph. D., University of Wooster, 1896; D. D., *ibid.*, 1902; President of Parsons College, 1900-.

WILLIAM ALFRED WIRTZ, A. M.,

Professor of Modern Languages, and Vice-Chairman of the Faculty.

A. B., Cornell College, 1889; A. M., *ibid.*, 1892; Principal of Schools, Lisbon, Iowa, 1887-9; Graduate Student, University of Chicago, 1897-1901 (summer quarters); Graduate Student, University of Berlin, 1902; Instructor, Associate Professor, and Professor of Modern Languages, Parsons College, 1889-.

GEORGE DANIEL GABLE, PH. D.,

Hunt Professor of Mathematics, and Secretary of the Faculty.

A. B., Lafayette College, 1886; A. M., *ibid.*, 1889; Ph. D., *ibid.*, 1891; Teacher of Greek, French, and Mathematics, Delaware Academy, Delhi, N. Y., 1886-7; Instructor in Mathematics and Latin, Lafayette College, 1887-95; Member of Editorial Staff of Standard Dictionary, 1890-5; Member of American Mathematical Society (1892), and of American Association for the Advancement of Science (1891); Graduate Student, University of Chicago, 1900 and 1901 (summer quarters); Professor of Mathematics, Parsons College, 1895-.

FREDERICK DE FOREST HEALD, PH. D.,

Ringland Professor of Biology.

B. S., University of Wisconsin, 1894; M. S., *ibid.*, 1896; Ph. D., University of Leipzig, 1897; Fellow in Botany and Assistant in Biology, University of Wisconsin, 1894-6; Instructor in Biology, summer session, *ibid.*, 1894; Collector on Wisconsin Botanical Survey, summer of 1895; Member of American Association for the Advancement of Science (1900), and the Association Internationale des Botanistes (1902); Graduate Student, University of Wisconsin, 1901 (summer session); Instructor, Associate Professor, and Professor of Biology, Parsons College, 1897-.

JOB EDGAR JOHNSON, A. M.,

Levi Parsons Professor of the Latin Language and Literature.

A. B., Yale University, 1898; A. M., Harvard University, 1899; Graduate Student, Harvard University, 1898-9; Teacher, Brookline (Mass.) High School, 1899; Instructor, Associate Professor, and Professor of Latin, Parsons College, 1899-.

WILLIAM WESLEY MENDENHALL, A. M.,
Associate Professor of Physics and Chemistry.

A. B., Parsons College, 1899; A. M., *ibid.*, 1902; Graduate Student, University of Chicago, 1899-1902 (summer quarters); Instructor and Associate Professor in Physics and Chemistry, Parsons College, 1899-.

CORA D. SMILEY, M. S.,
Associate Professor of History and of the English Language and Literature, and Dean of Women.

B. S., Parsons College, 1894; M. S., *ibid.*, 1900; Teacher of English, Washington (Iowa) Academy, 1894-1900; Instructor and Associate Professor of History and English, Parsons College, 1900-.

JAMES G. McMURTRY, PH. D.,
Skinner Associate Professor of the Greek Language and Literature.

A. B., Wabash College, 1893; A. M., *ibid.*, 1895; Ph. D., *ibid.*, 1898; Professor of Greek and Latin, Carthage College, 1893-4; Professor of Greek and Latin, Washington College, 1895-7; Professor of Greek and Mental and Moral Sciences, Henry Kendall College, 1898-1902; Associate Professor of the Greek Language and Literature, Parsons College, 1902-.

KATE HINITT,
Instructor in Stenography, and Librarian.

Instructor and Librarian, Parsons College, 1900-.

REV. ALEXANDER CORKEY, A. B.,
Lecturer on Biblical History.

Graduate, Magee College, Londonderry, Ireland, 1889; McCormick Theological Seminary, 1896-9; Bernadine Orme Fellow of McCormick Theological Seminary in Edinburgh, Scotland, 1899-1900; Lecturer on Biblical History, Parsons College, 1902-.

JOHN V. BEAN, M. D.,
Lecturer on Sanitary Science.

M. D., Bellevue Hospital Medical College, 1868; Acting Assistant Surgeon, U. S. Army, 1868-70; Member of American Medical Association (1880); Member of Iowa State Medical Society (1892); U. S. Examining Surgeon (1897); Lecturer on Sanitary Science, Parsons College, 1889-.

WILLIAM G. ROSS, A. M.,
Lecturer on the Constitution of the United States.

A. B., Parsons College, 1880; A. M., *ibid.*, 1883; Lecturer, Parsons College, 1897-.

JAMES FREDERIC CLARKE, M. D.,

Lecturer on Bacteriology.

B. S., State University of Iowa, 1886; A. M., *ibid.*, 1889; M. D., University of Pennsylvania, 1889; Graduate Student, University of Goettingen, 1895; Graduate Student, Johns Hopkins University, 1895; Major and Surgeon, 49th Iowa Volunteer Infantry, 1898-9; Member of American Medical Association (1894), American Public Health Association (1899), American Association for the Advancement of Science (1900); Fellow of Iowa Academy of Sciences (1897); Lecturer on Bacteriology, Parsons College, 1902-.

JOHN CALHOUN McGLADE,

Assistant in Mathematics.

EDWARD STAFFORD LUCE,

Professor of Music, and Director of School of Music.

Graduate, Vermont Methodist College, 1886; Graduate, New England Conservatory of Music, 1890; Graduate Student, *ibid.*, 1891-2; Professor of Music, Central University of Iowa, 1892-3; Professor of Music, Baylor College, 1893-6; Professor of Music, Parsons College, 1897-.

ELIZABETH EASTWOOD LUCE,

Instructor in Vocal Music.

Student, Oxford Seminary, 1887-8; Graduate, New England Conservatory of Music, 1890; Teacher of Music, Statesville (N. C.) Seminary, 1891-3; Instructor in Music, Parsons College, 1897-.

CORA ANNA BALL, B. S.,

Instructor in Piano and Voice.

B. S., Parsons College, 1895; Graduate, Parsons College School of Music, 1897; Certificate, New England Conservatory of Music, 1902; Instructor in Piano and Voice, Parsons College, 1902-.

BEATRICE BROWN HARPER,

Instructor in Piano.

FRED HUNT,

Instructor in Violin.

THOMAS C. DAVIS,

Tutor in Piano.

STANDING COMMITTEES OF THE FACULTY.

Entrance: Professors Wirtz, Heald, Mendenhall, and Johnson.

Scholarships: President Hinitt and Professor Gable.

Schedule: Professors Wirtz and Gable.

Catalogue: Professors Gable, McMurtry, and President Hinitt.

Athletics: Professors Heald and Johnson.

Public Exercises: Professors Gable and Mendenhall.

Student Publications: President Hinitt and Miss Smiley.

Class Officers: Professors Heald, Johnson, and Wirtz.

Historical Statement.

The College owes its existence primarily to the liberality of Mr. Lewis B. Parsons, Sr., a native of Massachusetts, and for many years a prominent merchant of Buffalo, N. Y. Regretting that he had not himself enjoyed the advantages of a collegiate training, Mr. Parsons, after many other generous gifts to the cause of education, resolved to crown his beneficences by devoting his entire property to the endowment of an institution of learning in the state of Iowa.

The death of Mr. Parsons in 1856 left the execution of this purpose to his two sons, the executors of his estate, Gen. L. B. Parsons, Jr., of Flora, Ill., and Charles Parsons, Esq., of St. Louis, Mo. A considerable portion of the estate consisted of property which suffered a great temporary depreciation in value during the financial crash of 1857 and the subsequent years of the rebellion; so that it was deemed inadvisable to carry the wishes of the founder into immediate execution.

In 1874, after numerous overtures from other Iowa cities had been rejected, the faithful trustees decided to accept the offer of the citizens of Fairfield to provide at a cost of about \$30,000, the site and the original college building. Classes were formed in September, 1875, and the institution thus established was dedicated to the cause of Christian education and placed under the care of the Presbyterian church. The first class was graduated in 1880. The alumni now number 289. The present buildings and campus are valued at \$50,000 and the original endowment has been increased to over \$150,000 by the generous gifts of Col. Charles Parsons, Thomas D. Foster, Cyrus H. McCormick, George W. Cable, J. F. Hunt, Dr. Thomas H. Skinner, Mrs. Margaret R. Armstrong, Calvin Ballard, Alexander Mason, and other liberal friends.

On the night of August 19, 1902, Ankeney Hall, the main college building, was totally destroyed by fire. The library and all the

scientific apparatus and other equipment were involved in the general destruction. Arrangements were speedily made for the work of the College during the coming year by the temporary conversion of Ballard Hall to the work of the College. A complete line of scientific equipment was purchased, adequate for the work of the scientific department. The work of the College, therefore, goes forward without hindrance.

The plan for rebuilding, as adopted by the Board of Trustees, is to raise a minimum fund of \$125,000.00 for new buildings and equipment. Seven new buildings are to be erected: a Science Hall, a Hall of Liberal Arts, an Academy Hall, a Chapel, a Library and Administration Building, a Gymnasium, and a Central Heating Plant. These are designed to furnish the College with a modern, complete, and artistic equipment for its future work.

Excellent progress, at this time, is being made, and the new buildings are expected to be ready for the next college year.

Terms of Admission.

All candidates for admission to the Freshman class should be at least fifteen years of age. They must present certificates of good moral character, and if from other colleges or universities must bring letters of honorable dismissal.

There are two methods of admission to the College:

1. By examination at the College.
2. By certificates from accredited schools.

ADMISSION ON EXAMINATION.

Two opportunities for entrance examinations are offered to candidates, one in June and one in September. For the dates of these examinations see the College Calendar on pages 4 and 5.

Candidates for admission to the Freshman class are examined in the following subjects or their equivalents:

CLASSICAL COURSE.

I. Latin:

GRAMMAR: Bennett's, including Prosody.

CÆSAR: four books of the Gallic War.

CICERO: six orations.

VERGIL: six books of the Æneid.

II. Greek:

GRAMMAR: Goodwin's or Hadley and Allen's.

FIRST GREEK BOOK: White's, or Gleason and Atherton's.

XENOPHON: two books of the Anabasis.

PROSE COMPOSITION.

III. Mathematics:

ARITHMETIC: including the Metric System.

ALGEBRA: Wentworth's Higher, through Quadratics.

GEOMETRY: Plane and Solid (including Spherical), Wentworth's or Wells's.

IV. Science:

BOTANY: Bergen's Elements and Coulter's Plant Relations.

PHYSICS: Henderson and Woodhull's.

V. Civics:

CIVIL GOVERNMENT: Towsend's.

ECONOMICS: Walker's Elementary Course.

VI. History:

UNITED STATES: Johnston's or Montgomery's.

GENERAL HISTORY: Myers's.

VII. English:

GRAMMAR: including Analysis and Prosody. It is essential that the student have a thorough knowledge of correct grammatical forms, and the attention of preparatory schools is especially called to the necessity of more extensive and exact knowledge in this line.

RHETORIC AND COMPOSITION: The student should be familiar with the main principles of Rhetoric and skilled in their application to the writing of correct and accurate English. Special stress should be laid on spelling, idiom, punctuation, sentential structure, paragraphing, and the outlining of the essay.

ENGLISH LITERATURE: Some good history of English Literature, such as Painter's Introduction to English Literature or Brooke's Primer of English Literature, and the careful study of five of the following works, or their equivalents:

Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator;

Goldsmith's *Vicar of Wakefield*; Scott's *Ivanhoe*; DeQuincey's *Flight of a Tartar Tribe*; Cooper's *Last of the Mohicans*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*; Coleridge's *Ancient Mariner*; Hawthorne's *House of the Seven Gables*.

PHILOSOPHICAL COURSE.

The same requirements as for the Classical Course, except that for the Greek the following work in German is to be substituted: Thomas's *Grammar*, Grimm's *Märchen*, Storm's *Immensee*, and Heyse's *L'Arrabbiata*.

SCIENTIFIC COURSE.

The same requirements as for the Philosophical course, except that for three terms' work in Cicero and three terms' work in Vergil equivalent time substitutions from the following may be offered to the extent indicated below:

Additional English Literature (three terms),
English History (three terms),
High School Physiology (one term),
High School Physical Geography (one term),
Political Economy (one term),
Astronomy (one term),
Geology (one term),
Zoology (not less than two terms),
Elementary Psychology (not less than two terms),
Additional Physics (three terms),
Chemistry (three terms).

ADMISSION BY CERTIFICATE.

Recommendations from the principal of any preparatory school accredited by the Standing Committee of the State Teachers' Associa-

tion on Uniform College Entrance Requirements will be accepted, and examinations will be waived in all entrance subjects covered in the applicant's course of study, subject to the following conditions:

1. The principal must specifically recommend the applicant in the subjects in which exemption is asked.

2. If for any reason the work done is deemed insufficient or unsatisfactory, the Faculty reserves the right to require an examination in any recommended subject.

Exemptions from entrance examinations are granted on satisfactory recommendations to save applicants needless worry, but the College will not hesitate to prefer examinations in all cases where there is doubt as to the quantity or quality of the work offered.

Blanks for admission on certificate may be obtained by applying to the Secretary of the Faculty.

ADMISSION OF SPECIAL STUDENTS.

Persons who are not candidates for degrees, and who wish to take special studies, may be admitted as special students upon giving to the Faculty satisfactory evidence that they are prepared to take the desired studies advantageously. Such students are subject to the same regulations as the regular students, and they may become candidates for a degree upon fulfilling the College requirements, including those of admission. Special students are entitled to a certificate of the studies pursued, but not to a diploma.

ADMISSION TO ADVANCED STANDING.

Students from other colleges of recognized rank, who present letters of honorable dismissal, may be admitted, on college comity, to corresponding standing in this College—provided the application be made not later than the beginning of the Senior year. Every such applicant is required to present, along with a catalogue of the institution in which he has studied, a detailed statement, duly certified, of all the studies he has completed, including the entrance studies for which he has credit.

Departments of Instruction.

[Courses for 1902-1903 with Announcements for 1903-1904.]

BIBLE.

1. Old Testament.

The history of the Jewish people is viewed as exhibiting the progressive unfolding of the divine redemptive purpose.

Text-book: Blaikie's Manual of Bible History.

Three hours weekly, Fall term, Freshman year.

2. New Testament.

A study of the period between the Old and New Testament Canons; the ripening expectation of Messiah in the Jewish nation and the world-wide readiness for Christ's advent; the life of Christ and growth of apostolic Christianity.

Text-books: Blaikie's Manual of Bible History, Stalker's Life of Christ, Stalker's Life of Paul.

One hour weekly, throughout Sophomore year.

3. The Bible as Literature.

A study of the literary structure of the Bible—the purpose being to realize somewhat the literary form as an aid to interpretation, and the supreme literary beauty of Scripture as compared with that of any classic of any age.

Text-books: Moulton's The Literary Study of the Bible; The Revised Version.

One hour weekly, Fall and Winter terms, Junior year.

4. The Genesis of Religion.

The last term of the year is devoted to the study of Kellogg's

Genesis and Growth of Religion—a work which introduces the student to the study of Apologetics.

One hour weekly, Spring term, Junior year.

6. Christian Evidences.

In the work of the Senior year the purpose is to lead the student into a knowledge of the evidential resources of the Christian religion. The place and reasonableness of miracles, the peculiarities of Christ's miracles, what Christianity is and does in comparison with other systems, the refutation of skeptical objections, the authenticity and genuineness of the gospels, are investigated.

Text-book: Fisher's Christian Evidences.

One hour weekly, Fall term, Senior year.

7. Theism.

The investigation covers the general idea of religion, the arguments for the being of God—all leading to the presentation of Christian Theism as the final stage of philosophy and religion.

Text-book: Flint's Theism.

One hour weekly, Winter and Spring terms, Senior year.

PHILOSOPHY.

8. Logic, Deductive and Inductive.

Text-book: Hyslop's Elements of Logic. Reference is made to such works as Jevons's Principles of Science, Fowler's Inductive Logic, and Sigwart's Logic.

Four hours weekly, Fall term, Junior year.

10. Psychology.

The study of Psychology is confined as much as possible to empirical grounds during the earlier part of the course.

Text-book: James's Psychology (briefer course) and Witmer's Analytic Psychology. Reference to the psychologies of Baldwin, Ladd, Höffding, and Wundt.

Four hours weekly, Winter and Spring terms, Junior year.

11. Ethics.

By means of a brief historical summary, the sphere of ethical inquiry is defined and the main ethical problems set forth. The efforts of empirical and evolutionary moralists to explain moral obligation are critically studied, and the *a priori* nature of the "ought" vindicated. In the light of a careful investigation as to the springs of action and the nature of volition, the various views relating to the freedom of the will are considered.

Text-book: MacKenzie's Ethics. References to Mill, Spencer, Kant, Calderwood, and Green.

Three hours weekly, Fall term, Senior year.

12. Advanced Ethics.

This course is designed for the more extended study of ethical theories and problems. Mill's Utilitarianism or Spencer's Data of Ethics will be used as a basis of study and discussed in the light of the criticisms of such writers as Sidgwick, T. H. Green, and Martineau.

Two hours weekly, Winter and Spring terms, Senior year.

13. History of Philosophy.

A course in the history of Ancient and Modern Philosophy is offered each year. The course in Ancient Philosophy will include a survey of the various problems of Philosophy as they presented themselves to the Greek mind, and the attempted solutions, contained in the historical systems or fragments of systems of Greece from the speculations of Thales to the rise and reign of Neo-Platonism.

The course in Modern Philosophy will begin with Descartes and Bacon, and trace the most important developments of philosophical thought to the present time.

Text-book: Rogers's Students' History of Philosophy. Lectures, with references to Jowett, Zeller, Weber, and Windelband.

Two hours weekly, Fall term, Junior year.

14. Metaphysics.

This course must be preceded by Course 10, and can be prosecuted

to much better advantage if also preceded by Course 13. The problems raised are subsumed under the heads of Rational Psychology, Epistemology, and Ontology, and are studied in the historico-critical spirit. Special attention is given to theories of perception because of their vital relation to the various systems and to the problems of material and spiritual existence. Owing to the wideness of the field, this course will be altered from year to year. The supreme value of a sound philosophy in strengthening the foundations of Christian faith is constantly kept in view. Lectures and assigned readings.

Two hours weekly, Spring term.

PEDAGOGY.

17. Psychology for Teachers.

This course is devoted to the general study of such topics as the following: the application of psychology to education; the natural development of child life on its intellectual, emotional, and active sides; the helps and hindrances to mental progress; interest; attention; habit; imitation; the springs of action; the moral and religious sense.

Text-books: Sully's Teacher's Hand-book of Psychology, Lange's Apperception, and Radestock's Habit in Education.

Two hours weekly, throughout the year.

18. History and Theory of Education.

This course covers the rise and progress of educational movements from the Roman era to the present day. Representative reformers like Comenius, the Jesuits, Port Royalists, Rousseau, and Pestalozzi receive especial attention. The theories of the several movements are criticised in the light of present day theories. A number of select works on education are placed at the disposal of the student.

Text-book: Williams's History of Modern Education.

Two hours weekly, Fall and Winter terms.

19. School Organization and Management.

In this course the following topics are discussed: school organization, courses of study, duties of teachers to the school and community, the relation of the school to the community, etc. The school laws, courses of study, etc., of some representative city of the United States are used as a basis for this course.

Two hours weekly, Spring term.

20. Methods of Teaching.

The time is given to the general study of the underlying principles of correct method in teaching. Lectures and discussions.

Text-book: DeGarmo's Essentials of Method.

One hour weekly, throughout the year.

POLITICAL AND SOCIAL SCIENCE.**21. Economics.**

The required course in Economics is primarily designed to familiarize the student with the general character of the principles, forces and problems under investigation. The views on important questions of a few leading writers will be stated and discussed. Papers and discussions.

Text-book: Bullock's Introduction to the Study of Economics.

Three hours weekly, Winter and Spring terms.

22. Advanced Economics.

This course must be preceded by Course 21, and is designed to widen the student's acquaintance with the various writers and schools of Political Economy. Special attention is given to the English and American development of the subject from the time of Adam Smith. More minute study will be made of some particular problems, such as Taxation, Money, and Banking.

Text-books: Walker's Political Economy (advanced course), Walker's and Jevons's texts on money.

Three hours weekly, Spring term.

23. Sociology.

An elementary course in which significant social phenomena and the problems involved are recognized and appreciated. Lectures, discussions, and readings. Must be preceded by Course 10.

Text-book: Small and Vincent's Introduction to the Study of Society.

Three hours weekly, Winter term.

24. Jurisprudence.

An elementary course in the general principles of Jurisprudence. Must be preceded by Course 10.

Text-book: Pollock's Jurisprudence.

Three hours weekly, Spring term.

HISTORY.

The following courses are offered for 1903-1904:

31. English History (1509-1649).

The Renaissance and the Reformation.

Text-book: Gardiner's Student's History of England.

Two hours weekly, Fall term.

32. English History (1649-1754).

The Commonwealth and the Protectorate.

Text-book: Gardiner's Student's History of England.

Two hours weekly, Winter term.

33. English History (1754-1900).

Conflict with Democracy. Growth of Democracy.

Text-book: Gardiner's Student's History of England.

Two hours weekly, Spring term.

34. Modern European History (1792-1814).

Text-book: Fyffe's History of Modern Europe.

Two hours weekly, Fall term.

35. Modern European History (1814-1848).

Text-book: Fyffe's History of Modern Europe.

Two hours weekly, Winter term.

36. Modern European History (1848-1900).

Text-book: Fyffe's History of Modern Europe.

Two hours weekly, Spring term.

In courses 34, 35, and 36, a study is made of Europe after the Congress of Vienna, of the balance of power, of the development of representative government, of the unification of Germany and of Italy, and of the rise of the democracy.

The following courses are offered for 1902-1903:

37. American History (1492-1750).

Discoveries and early settlements.

Text-book: Thwaites's The Colonies.

Two hours weekly, Fall term.

38. American History (1750-1829).

Formation of the Union, covering the period of the Revolution, the Confederation, the Federal Constitution, and the Organization of the Government.

Text-book: Hart's Formation of the Union.

Two hours weekly, Winter term.

39. American History (1829-1900).

Slavery system. Mexican war. Territories open to slavery. Secession. Civil war. Reconstruction. New Union.

Text-book: Wilson's Division and Reunion.

Two hours weekly, Spring term.

40. Federal Government.

The theory of federal government and the development of the four great federations of the United States, Switzerland, Germany, and Canada.

Two hours weekly, Fall term.

41. Greek History.

Special attention will be given to the Peloponnesian war and the constitutions of Athens and Sparta. Recitations and informal lectures.

Text-book: Myers's History of Greece.

Two hours weekly, Winter and Spring terms.

43. Constitutional History.

Lectures given by William G. Ross, M. A., on the Constitution of the United States.

GREEK.

As few of our high schools provide facilities for the elementary study of Greek, a minimum requirement of one year's preparation for admission to the Classical course has been made. The study is continued, either as required or elective, throughout the course. The work offered includes:

47. Xenophon: The Anabasis III-IV.

Review of verb inflection; word formation; a general study of syntax with Greek composition. Xenophon's life, works, and characteristics as a writer. The expedition of Cyrus—its causes and its effects on Greek and Persian policy. The Greek art of war.

Text-books: Goodwin and White's Anabasis and Allinson's Greek Composition.

Four hours weekly, Fall term.

48. Plato.

The Apology, Crito, and parts of the Phædo will be read, noting chiefly the characteristics of Plato's literary style and the form of the dialogue, but not neglecting the Platonic philosophy.

Text-book: Dyer's Apology and Crito.

Four hours weekly, Winter term.

49. Homer: The Iliad I-VI.

Study of Homeric forms, syntax, and prosody. Informal lectures

on Homeric questions. Homeric archæology. Comparative notice of other national epics. Mythology.

Text-book: Seymour's Iliad.

Four hours weekly, Spring term.

50. Historians and Orators.

Selections from Herodotus, Thucydides, or the Hellenica of Xenophon. Review of Greek history during the fifth century.

Attic oratory and Athenian legal antiquities will be studied in Lysias (select orations) and Demosthenes (Olynthiacs and Philip-pics).

Four hours weekly, first half-year.

51. Drama.

Representative plays, from the three tragedians and Aristophanes, will be read with special reference to their literary art. A study of the origin and development of the Greek Drama and Theatre. History of Greek Literature.

Four hours weekly, second half-year.

52. Homer: The Odyssey.

Selections are read rapidly with a view to literary appreciation and to a study of the heroic life of Homeric Greece.

Text-book: Merry's Odyssey.

Four hours weekly, Fall term.

53. Aristophanes: Knights, and Acharnians.

Study of Greek comedy.

Four hours weekly, Winter term.

54. Theocritus: Idyls.

Demosthenes: On the Crown.

Attention is directed to form and subject matter with a view to obtaining an intelligent appreciation of what is read as literature.

Four hours weekly, Spring term.

56. Thucydides.

The Sicilian expedition, with a study of Athenian political history.
Four hours weekly, Fall term.

57. Elegiac and Melic Poets; Odes of Pindar.

Selections from the principal odes will be read.
Four hours weekly, Winter term.

58. The New Testament.

Selections from the Gospels and Epistles. A careful study of the Hellenistic dialect.

Text-book: Westcott and Hort's The New Testament.
Four hours weekly, Spring term.

59. Lectures on Greek Mythology, Literature, and History.

This course is open to all students who have the time and inclination to attend, and seeks to give some acquaintance with the greatest Greek authors in poetry, history, oratory, and philosophy and some appreciation of the connection of Greek life and thought with the world's culture and history.

60. Elementary Course.

This course is given *only* to students in the Philosophical or in the Scientific course. For description see Courses 211 and 212.

Five hours weekly, throughout the year.

LATIN.**61. Livy.**

Books I and II are read. Constant practice in sight reading.
Text-book: Greenough's Livy.
Four hours weekly, Fall term.

62. Cicero.

The De Senectute and De Amicitia are read.
Text-book: Bennett's Cicero.
Four hours weekly, Winter term.

63. Horace.

a. Satires and Epistles are read.

Text-book: Greenough's Horace.

Four hours weekly, Spring term.

b. Odes and Epodes. Practice in scanning and occasional metrical rendering of selected odes into English.

Text-book: Smith's Horace.

Four hours weekly, Fall term.

64. Tacitus.

The Agricola and Germania. Sight reading.

Text-book: Hopkins's Tacitus.

Four hours weekly, Winter term.

65. Plautus.

The Menæchmi and Captivi.

Text-book: Fowler's Menæchmi and Barber's Captivi.

Four hours weekly, Spring term.

66. Juvenal.

The principal satires. General survey of Roman satire.

Three hours weekly, Fall term.

67. Martial.

Selected Epigrams. Study of Roman antiquities.

Three hours weekly, Winter term.

68. Terence.

Two plays. Connection between Latin and Greek drama carefully studied.

Three hours weekly, Spring term.

69. Suetonius.

Selections from the De Vita Cæsarum.

Three hours weekly, Fall term.

70. Cicero.

Brutus, or De Natura Deorum.

Three hours weekly, Winter term.

71. Quintilian.

Institutio Oratoria, Book X. Selections.

Three hours weekly, Spring term.

In connection with the work of Sophomore year a course of lectures covering the rise and development of Latin literature will be given during the Winter and Spring terms. Open to students who have completed Course 63.

SANSKRIT.

The following elementary course is offered as an introduction to the study of Comparative Philology:

76. Grammar.

Elements of the language as given in Perry's Sanskrit Primer.

Two hours weekly, Fall term.

77. Maha-bharata.

Continuation of the study of Perry's Sanskrit Primer. Translation of the Nala episode from the Maha-bharata.

Text-books; Lanman's Sanskrit Reader and Whitney's Sanskrit Grammar.

Two hours weekly, Winter term.

78. Selections.

Translation from the Hitopadeca, the Katha-sarit-sagara, and the Rigveda.

Text-books: Lanman's Sanskrit Reader and Whitney's Sanskrit Grammar.

Two hours weekly, Spring term.

HEBREW.**81. Elementary Course.**

In order that students may take advanced standing in Theological Seminaries, an elementary course in Hebrew is offered. The time is devoted to the mastery of the elements of etymology and syntax in connection with a detailed study of Genesis I-IV.

Text-book: Bissell's Hebrew Grammar.

Two hours weekly, throughout the year.

GERMAN.**86. Beginner's Course.**

a. Thomas's German Grammar, Part I.

Five hours weekly, Fall term.

b. Grammar continued: Grimm's Mærchen.

Five hours weekly, Winter term.

c. Grammar continued: Storm's Immensee; Heyse's L'Arrabbiata.

Five hours weekly, Spring term.

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

87. Second Year Course.

a. Baumbach's Frau Holde; Hillern's Höher als die Kirche; Freytag's Die Journalisten; Grammar and Composition.

Four hours weekly, Fall term.

b. Wildenbruch's Der Letzte; Tales from Hauff; Riehl's Fluch der Schönheit; Grammar and Composition.

Four hours weekly, Winter term.

c. Arnold's Fritz auf Ferien; Schiller's Jungfrau von Orleans; Grammar and Composition.

Four hours weekly, Spring term.

This course is intended to give the student a large and varied vocabulary, and to develop a feeling for the German idiom. One hour a week is given to work in grammar and composition.

88. Lessing.

Minna von Barnhelm; Nathan der Weise. Some study is made of Lessing's life, his work as a critic, and his influence on the history of German literature.

Four hours weekly, Fall term.

89. Schiller.

Cabale und Liebe; Wallenstein, or Wilhelm Tell. The main facts of Schiller's life and his literary development are studied in connection with this course.

Four hours weekly, Winter term.

90. Goethe.

Hermann und Dorothea; Iphigenie; Lyric Poems. A brief study is made of Goethe's life, and the close relation between his literary productions and his personal experiences is considered.

Four hours weekly, Spring term.

91. Goethe.

This course will include Dichtung und Wahrheit, Goetz von Berlichingen, Werther's Leiden, Egmont, Tasso, and Faust.

Four hours weekly, throughout the year.

92. Composition and Advanced Grammar.

Open to students who have had at least two years of work in German.

Two hours weekly, throughout the year.

93. Recent Developments in Dramatic Literature.

The representative works of the three leading dramatists of this period, Wildenbruch, Hauptmann, and Sudermann are read and studied in connection with the formative influences which have been at work.

Three hours weekly, throughout the year.

FRENCH.**101. Beginner's Course.**

a. Edgren's French Grammar, Part I; Super's French Reader.

Four hours weekly, Fall term.

b. Edgren's Grammar, Part II; Halévy's L'Abbé Constantin; Composition.

Four hours weekly, Winter term.

c. Edgren's Grammar continued; George Sand's La Mare au Diable; Fontaine's Fables.

Four hours weekly, Spring term.

In this course the essentials of French grammar are presented as briefly as possible, so that the student may begin the reading of easy French prose almost from the first. A thorough study of the grammar, accompanied by exercises in composition, follows after reading has been begun. Special attention is given to daily drill in pronunciation and to the irregular verbs, but no direct attempt is made to teach French conversation.

102. French Fiction.

Selections are made from the works of Dumas, Mérimée, Souvestre, De Vigny, and Daudet.

Three hours weekly, Fall term.

103. Modern French Comedies.

Selections from plays by Sandeau, Erckmann-Chatrian, Ohnet, Scribe, Labiche, and Vacquerie.

Three hours weekly, Winter term.

104. French Prose.

Selections from Balzac, Lamartine, Chateaubriand, Erckmann-Chatrian, Feuillet, and Sainte-Beuve.

Three hours weekly, Spring term.

105. French Classics.

Selected works of Molière, Racine, and Corneille.

Three hours weekly, Fall and Winter terms.

106. Victor Hugo and the Romantic School.

Three hours weekly, Spring term.

ENGLISH.**116. English Literature.**

a. History of English Literature.

Text-book: Pancoast's Introduction to English Literature.

Four hours weekly, Fall term.

b. Critical study of the following works:—Shakespeare: Julius Cæsar; As You Like It; Milton: Paradise Lost (Books I and II).

Three hours weekly, Winter term.

c. Selection from Wordsworth, Byron, Keats, Shelley.

Three hours weekly, Spring term.

This course is supplemented by assigned reading from different English authors.

120. English Drama.

The history of the English Drama. The study of the law of the Drama. Critical study of the following works:—Shakespeare: Macbeth, King Lear.

Careful reading of the following works:—Marlowe: Part I of Tamburlaine, Edward II; Shakespeare: Othello, Hamlet, Midsummer Night's Dream, Richard III; Jonson: Every Man in his Humour; Milton: Samson Agonistes; Addison: Cato.

Two hours weekly, throughout the year.

125. Nineteenth Century Literature.

a. Selections from Scott.

b. Selections from Tennyson.

c. Selections from Browning.

This course is supplemented by assigned reading from authors of this century.

Two hours weekly, throughout the year.

MATHEMATICS.

Throughout the Mathematical course great effort is made to cultivate in the student independence in mathematical thinking, rigor in the demonstration of theorems, clearness and accuracy in the expression of ideas. The department aims to cover as effectively as possible such lines of work as are undertaken, and to lay special emphasis on those portions of the subject that are essential to the student's success in a more extended course in Mathematics, Physics, or Astronomy.

The work offered in Pure Mathematics includes:

131. Higher Algebra.

Beginning with a rapid review of radicals and quadratic equations, the work embraces proportion, variation, the progressions, permutations and combinations, indeterminate coefficients, partial fractions, binomial theorem, series, method of differences, logarithms, imaginaries, and a brief course in determinants and the theory of equations.

Text-books: Wentworth's Higher Algebra and Wentworth's Exercises in Algebra.

Five hours weekly, first half-year.

132. Plane and Spherical Trigonometry.

This course includes the analytical theory of the trigonometrical functions, the development of the general formulæ of plane and spherical trigonometry, the solution of plane and spherical triangles, the solution of problems in spherical mensuration, and practice in the use of logarithmic tables.

Five hours weekly, second half-year.

133. Plane Analytic Geometry.

An elementary course, indicating the mode of applying the methods of algebra to geometry. The straight line, the circle, the conic sections, and several of the more important transcendental curves are studied—the course terminating with a discussion of the general equation of the second degree, and a few lessons introductory to the

geometry of three dimensions. Because of time limitations, a portion of the work here outlined is carried on in connection with Course 134.

Text-book: Nichols's Analytic Geometry.

Four hours weekly, Fall term.

134. Differential and Integral Calculus.

The fundamental principles and formulæ of this powerful branch of Mathematics are developed and applied to various problems in geometry and analysis, such as the computation of the length, curvature, etc., of curves, the areas enclosed by them, areas of curved surfaces, volumes of solids, the evaluation of indeterminate forms, the expansion of functions in series, the determination of maxima and minima values, centres of gravity, etc. Open to students who have completed Courses 131, 132, and 133.

Text-book: Osborne's Differential and Integral Calculus.

Three hours weekly, Winter, Spring, and Fall terms.

135. Theory of Equations.

Attention is given to the elements of Determinants and the methods of Graphic Algebra. Recitations and informal lectures. Open to students who have completed Course 134.

Text-book: Barton's Theory of Equations. Reference-books: Burnside and Panton's Theory of Equations, and Phillips and Beebe's Graphic Algebra.

Three hours weekly, Winter term.

136. Problems in Geometry and Trigonometry.

Supplementary to Courses 132 and 243. The work is designed for those students who expect to become teachers of Elementary Mathematics as well as for those who desire to lay a broader foundation for advanced work. Open to students who have completed Course 132.

Text-book: Wentworth and Hill's Exercise Manual No. III.

Three hours weekly, Spring term.

ASTRONOMY.**141. General Course.**

This is mainly a course in Descriptive Astronomy. It aims to supply a general knowledge of the more important facts and underlying principles of astronomy, and some acquaintance with the methods of arriving at the facts. Recitations and lectures are supplemented by observations of the heavens and studies in the location of the principal stars and constellations. A knowledge of trigonometry is essential.

Text-book: Young's Manual of Astronomy.

Three hours weekly, Winter and Spring terms.

PHYSICS.**146. Mechanics and Sound.**

In Mechanics attention is given to physical units and dimensional equations, dynamics, pneumatics, statics, and hydrostatics. The work in Sound embraces a study of the nature, production, and propagation of sound, and of the physical theory of music. A fair knowledge of trigonometry is necessary for a thorough understanding of the mathematical discussion of these subjects.

Text-book: Carhart's University Physics.

Three hours weekly, Fall term.

147. Electricity and Magnetism.

The topics discussed are electro-statics, magnetism, electro-kinetics, and the electro-magnetic theory of light. Open to students who have taken Courses 131 and 132.

Text-book: Carhart's University Physics.

Four hours weekly, Winter term.

148. Light and Heat.

In Light the theory of radiation, and the phenomena of diffraction, double refraction, and polarization are discussed as thoroughly as is

practical by means of elementary mathematics. In the subject of Heat attention is given to the measurements of heat, effects of heat, and thermo-dynamics. Open to students who have taken Courses 131 and 132.

Text-book: Carhart's University Physics.

Four hours weekly, Spring term.

149. Physical Units and Measurements.

The laboratory work consists of quantitative measurements in mechanics, heat, and sound. One lecture and four hours in the laboratory each week. Open to students who have taken Courses 146, 147, and 148.

Three hours weekly, Fall term.

150. Advanced Theoretical Physics.

The elements of calculus, while not absolutely necessary, will be very helpful to the student in this work. The course is intended for those who desire to specialize in the mathematical sciences. Open to students who have taken Courses 133 and 149.

Three hours weekly, Winter term.

151. Theory of Light.

The theoretical work will be supplemented as far as possible by work in the laboratory. A knowledge of calculus is desirable. Open to students who have taken Course 150.

Text-book: Preston's Theory of Light.

Three hours weekly, Spring term.

152. Electro-Chemistry.

Primary electrolytic and secondary cells are studied from the standpoint of the ionic theory. Open to students who have taken Courses 146, 147, and 148.

Three hours weekly, Fall term.

153. Electrical Measurements.

A laboratory course designed to give a practical knowledge of some electrical units and constants, and the methods of their measurement. Open to students who have taken Courses 146, 147, and 148.

Three hours weekly, Winter term.

CHEMISTRY.**156. General Inorganic Chemistry.**

Recitations and lectures are illustrated by experiments. During the latter part of the term students are required to review practically in the laboratory the leading phenomena of the subject.

Text-book: Remsen's Introduction to Chemistry.

Three hours weekly, Winter term.

157. Elementary Qualitative Analysis.

A part of the practical work consists of various blow-pipe tests, but the greater part of the term is given to analytical work. Each student is required to analyze a number of unknown mixtures of salts, containing from three to five metals and from two to three acids. One recitation and four hours in the laboratory each week.

Text-book: Remsen's Introduction to Chemistry.

Three hours weekly, Spring term.

158. Advanced Inorganic Chemistry.

This course is designed to give the student a thorough knowledge of inorganic chemistry. Two recitations and four hours in the laboratory each week. Open to students who have taken Courses 156 and 157.

Text-book: Remsen's Inorganic Chemistry (advanced course).

Four hours weekly, throughout the year.

159. Organic Chemistry.

Two recitations and four hours in the laboratory each week. Open to students who have taken Courses 156 and 157.

Text-book: Remsen's Organic Chemistry.

Four hours weekly, Fall and Winter terms.

160. Qualitative Analysis.

This a laboratory course and includes the analysis of alloys, minerals, mineral waters, soil, etc. It is open to those who are taking or who have completed Course 158. Work to the extent of twelve term credits may be taken whenever desired.

Reference-book: Fresenius's Qualitative Analysis.

161. Quantitative Analysis.

The laboratory work gives the student a practical acquaintance with exact quantitative methods. Readings will be assigned upon the theories of solutions and the principles of stoichiometry. The course is open to those who are taking or who have completed Course 158. Work to the extent of twelve term credits may be taken whenever desired.

Text-book: Talbot's Quantitative Analysis.

BIOLOGY.**166. General Biology.**

Introductory to both botany and zoology, and required as a preliminary to all advanced work in either department. Representative types or the different classes of animals and plants will be studied in the laboratory, beginning with the simple, single-celled organisms, and ending with the complex forms. Laboratory work and lectures.

Reference-book: Parker's Elementary Biology.

Four hours weekly, throughout the year.

168. General Morphology of Plants.

The aim of this course is to complete the work begun in general

biology, and thus give a comprehensive idea of the forms of vegetable life. Eight hours of laboratory work each week. Assigned readings.

a. Thallophyta.

Four hours weekly, Fall term.

b. Bryophyta and Pteridophyta.

Four hours weekly, Winter term.

c. Spermatophyta.

Four hours weekly, Spring term.

170. Histology of Plants.

This course may follow 166 or 168 and is designed to give the student a more detailed knowledge of the plant cell and the tissue systems. Seven hours of laboratory work and one lecture each week. Assigned readings.

Four hours weekly, Fall term.

172. Animal Morphology.

General course in morphology and classification. This course is recommended as a sequel to Course 166 on the zoology side, and is designed to give the student a more comprehensive survey of the forms of animal life. Assigned readings. Eight hours of laboratory work each week.

Four hours weekly, throughout the year.

173. Vertebrate Anatomy.

Typical vertebrates are studied, but special emphasis is given to the anatomy of mammals, with as much time as possible on human osteology. One lecture and seven hours of laboratory work each week.

Four hours weekly, Fall and Winter terms.

174. Vertebrate Embryology.

The early development of the chick will be studied. One lecture and six hours of laboratory work each week.

Four hours weekly, Spring term.

175. Bacteriology.

A general course in the study of bacteria. The preparation of

culture media, the growth of typical forms, and their microscopic study. Lectures and laboratory work. Lectures by Dr. J. F. Clarke.

Three hours weekly, Winter and Spring terms.

176. Human Physiology.

a. Fundamental physiological actions, differentiation of tissues, the skeleton, motion and locomotion, nutrition.

Text-book: Martin's Human Body (advanced course).

Three hours weekly, Fall term.

b. Respiration, nervous system, vascular system.

Text-book: Martin's Human Body (advanced course).

Three hours weekly, Winter term.

c. Sensation and sense organs.

Text-book: Martin's Human Body (advanced course).

Three hours weekly, Spring term.

177. Vertebrate Histology.

The study of cells and tissues as exhibited in vertebrate organisms.

Lectures and laboratory work.

Four hours weekly, Fall and Winter terms.

179. Sanitary Science.

Lectures given by John V. Bean, M. D. Special reference is made to the practical relation of this department of science to every-day life, and particularly to the cause and prevention of infectious diseases. Required as an extra study of all Seniors.

One hour weekly, Winter term.

NOTE.—The following sequence of biological courses is advised: 166, 168, 170; or 166, 172, 176, 177, 173, 174. For students intending to teach biology in high schools, the following courses are recommended as a minimum: 166, 168, 170, 172, 175, and 176.

GEOLOGY.**181. Dynamic Geology.**

The geological forces and the work they accomplish.

Three hours weekly, Fall term.

182. Structural and Physiographical Geology.

Rocks, their original and secondary structures; physiographical geology, with special reference to the North American continent.

Three hours weekly, Winter term.

183. Historical Geology.

The evolution of life from the oldest geological records down to the present time, and the parallel physical conditions, especially those of the North American continent.

Three hours weekly, Spring term.

Courses of Study.

CLASSICAL COURSE.*

FRESHMAN YEAR.

FALL TERM.

HOURS.

<i>Mathematics</i> 131†—Algebra (Wentworth's Higher)	5
<i>Latin</i> 61—Livy (Greenough)	4
<i>Greek</i> 47—Anabasis (Goodwin); Prose Composition (Allinson) . .	4
<i>Bible</i> 1—Old Testament History (Blaikie)	3

WINTER TERM.

<i>Mathematics</i> 131, 132—Algebra; Trigonometry	5
<i>Latin</i> 62—Cicero (Bennett)	4
<i>Greek</i> 48—Plato (Dyer)	4
<i>Chemistry</i> 156—General Inorganic Chemistry (Remsen)	3

SPRING TERM.

<i>Mathematics</i> 132—Trigonometry, Plane and Spherical	5
<i>Latin</i> 63a—Horace (Greenough)	4
<i>Greek</i> 49—Iliad (Seymour)	4
<i>Chemistry</i> 157—Elementary Qualitative Analysis (Remsen) . . .	3

*In this course the student must take in addition to the required work at least nine hours of work in either Latin or Greek, or in History and English Literature.

† See courses under corresponding numbers on pages 18—42.

SOPHOMORE YEAR.

FALL TERM.

<i>Mathematics</i> 133—Analytic Geometry (Nichols)	4	} one*	4
<i>English</i> 116—English Literature (Pancoast)	4		
<i>Latin</i> 63b—Horace (Smith)	4		
<i>Greek</i> 50—Historians and Orators.	4		
<i>Physics</i> 146—Mechanics and Sound (Carhart)	3		
<i>Bible</i> 2—New Testament History (Blaikie)	1		

WINTER TERM.

<i>Mathematics</i> 134—Differential Calculus (Osborne)	3	} one*	3
<i>English</i> 116—English Literature	3		
<i>Latin</i> 64—Tacitus's Germania and Agricola (Hopkins)	4		
<i>Greek</i> 50, 51—Historians and Orators; Drama	4		
<i>Physics</i> 147—Electricity and Magnetism (Carhart)	4		
<i>Bible</i> 2—Life of Christ (Stalker)	1		

SPRING TERM.

<i>Mathematics</i> 134—Integral Calculus (Osborne)	3	} one*	3
<i>English</i> 116—English Literature	3		
<i>Latin</i> 65—Plautus (Fowler)	4		
<i>Greek</i> 51—Drama	4		
<i>Physics</i> 148—Light and Heat (Carhart)	4		
<i>Bible</i> 2—Life of Paul (Stalker)	1		

JUNIOR YEAR.

FALL TERM.

<i>Philosophy</i> 8—Logic (Hyslop)	4
<i>Bible</i> 3—The Bible as Literature (Moulton)	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	11

*If Mathematics is elected in Sophomore year, English must be elected later.

†The privilege is reserved of withdrawing an elective unless it be chosen by five or more students.

WINTER TERM.

<i>Philosophy</i> 10—Psychology (James; Witmer)	4
<i>Bible</i> 3—The Bible as Literature (Moulton)	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	11

SPRING TERM.

<i>Philosophy</i> 10—Psychology (James; Witmer)	4
<i>Bible</i> 4—The Genesis of Religion	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	11

SENIOR YEAR.

FALL TERM.

<i>Philosophy</i> 11—Ethics (MacKenzie)	3
<i>Bible</i> 6—Evidences	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	12

WINTER TERM.

<i>Political Science</i> 21—Economics (Bullock)	3
<i>Bible</i> 7—Theism (Flint)	1
<i>Sanitary Science</i> 179—Lectures	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	12

SPRING TERM.

<i>Political Science</i> 21—Economics (Bullock)	3
<i>Bible</i> 7—Theism (Flint)	1
<i>Electives</i> †—(See Departments of Instruction, pp. 18-42)	12

PHILOSOPHICAL COURSE.*

FRESHMAN YEAR.

FALL TERM.

	HOURS.
<i>Mathematics</i> 131—Algebra (Wentworth's Higher)	5
<i>Latin</i> 61—Livy (Greenough)	4
<i>German</i> 87a—Selections	4
<i>Bible</i> 1—Old Testament History (Blaikie)	3

WINTER TERM.

<i>Mathematics</i> 131, 132—Algebra; Trigonometry	5
<i>Latin</i> 62—Cicero (Bennett)	4
<i>German</i> 87b—Selections	4
<i>Chemistry</i> 156—General Inorganic Chemistry (Remsen)	3

SPRING TERM.

<i>Mathematics</i> 132—Trigonometry, Plane and Spherical	5
<i>Latin</i> 63a—Horace (Greenough)	4
<i>German</i> 87c—Selections	4
<i>Chemistry</i> 157—Elementary Qualitative Analysis (Remsen)	3

SOPHOMORE YEAR.

FALL TERM.

<i>Mathematics</i> 133—Analytic Geometry (Nichols) 4	} one†	4
<i>English</i> 116—Rhetoric and English Literature 4		
<i>Latin</i> 63b—Horace (Smith) 4	} one	4
<i>Biology</i> 166—General Biology 4		
<i>German</i> 88—Schiller		4
<i>Physics</i> 146—Mechanics and Sound (Carhart)		3
<i>Bible</i> 2—New Testament History (Blaikie)		1

†The privilege is reserved of withdrawing an elective unless it be chosen by five or more students.

*In this course the student must take in addition to the required work at least nine hours of work in either Philosophy and Political and Social Science, or in History and English Literature.

SCIENTIFIC COURSE.

47

WINTER TERM.

<i>Mathematics</i> 134—Differential Calculus (Osborne)	3	} one*	3
<i>English</i> 116—Rhetoric and English Literature	3		
<i>Latin</i> 64—Tacitus's <i>Germania</i> and <i>Agricola</i>	4	} one	4
<i>Biology</i> 166—General Biology	4		
<i>German</i> 89—Lessing.	4		
<i>Physics</i> 147—Electricity and Magnetism (Carhart).	4		
<i>Bible</i> 2—Life of Christ (Stalker)	1		

† If Mathematics is elected in Sophomore year, English must be elected later.

SPRING TERM.

<i>Mathematics</i> 134—Integral Calculus (Osborne)	3	} one*	3
<i>English</i> 116—Rhetoric and English Literature	3		
<i>Latin</i> 65—Plautus (Fowler)	4	} one	4
<i>Biology</i> 166—General Biology	4		
<i>German</i> 90—Goethe	4		
<i>Physics</i> 148—Light and Heat (Carhart)	4		
<i>Bible</i> 2—Life of Paul (Stalker).	1		

JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. See pages 44, 45.

SCIENTIFIC COURSE.†

FRESHMAN YEAR.

FALL TERM.

	HOURS.
<i>Mathematics</i> 131—Algebra (Wentworth's Higher)	5
<i>Biology</i> 166—General Biology	4
<i>German</i> 87a—Selections	4
<i>Bible</i> 1—Old Testament History (Blaikie)	3

WINTER TERM.

<i>Mathematics</i> 131, 132—Algebra; Trigonometry	5
<i>Biology</i> 166—General Biology	4
<i>German</i> 87b—Selections	4
<i>Chemistry</i> 156—General Inorganic Chemistry (Remsen)	3

SPRING TERM.

<i>Mathematics</i> 132—Trigonometry, Plane and Spherical	5
<i>Biology</i> 166—General Biology	4
<i>German</i> 87c—Selections	4
<i>Chemistry</i> 157—Elementary Qualitative Analysis (Remsen)	3

SOPHOMORE YEAR.

FALL TERM.

<i>Mathematics</i> 133—Analytic Geometry (Nichols)	4	} one*	4
<i>English</i> 116—Rhetoric and English Literature	4		
<i>Biology</i> 168 or 172	4	} one	4
<i>German</i> 88—Schiller	4		
<i>French</i> 101a—Grammar (Edgren); Reading	4		
<i>Physics</i> 146—Mechanics and Sound (Carhart)	3		
<i>Bible</i> 2—New Testament History (Blaikie)	1		

WINTER TERM.

<i>Mathematics</i> 134—Differential Calculus (Osborne)	3	} one*	3
<i>English</i> 116—Rhetoric and English Literature	3		
<i>Biology</i> 168 or 172	4	} one	4
<i>German</i> 89—Lessing	4		
<i>French</i> 101b—Grammar and Reading	4		
<i>Physics</i> 147—Electricity and Magnetism (Carhart)	4		
<i>Bible</i> 2—Life of Christ (Stalker)	1		

*If Mathematics is elected in Sophomore year, English must be elected later.

†In this course the student must take in addition to the required work at least nine hours of work in either Biology and Geology or in Physics and Chemistry.

SPRING TERM.

<i>Mathematics</i> 134—Integral Calculus (Osborne)	3	} one*	3
<i>English</i> 116—Rhetoric and English Literature	3		
<i>Biology</i> 168 or 172	4	} one	4
<i>German</i> 90—Goethe	4		
<i>French</i> 101c—Grammar and Reading	4		
<i>Physics</i> 148—Light and Heat (Carhart)	4		
<i>Bible</i> 2—Life of Paul (Stalker)	1		

JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. See pages 44, 45.

PRE-MEDICAL COURSES.

Students intending to study medicine after graduation from this College will be able to enter the Sophomore class of the best medical schools with a minimum of conditions by electing Physics 152; Chemistry 158, 159; Biology 172, 170, 177, 173, 174, 176.

*If Mathematics is elected in Sophomore year, English must be elected later.

General Information.

Aim.

As seen in the historical statement on page 12, the aim of the College is to afford to students of both sexes all the advantages of a liberal education in the Arts, Sciences, and Philosophy. Its courses of study and methods of instruction are adapted to secure accurate scholarship and thorough mental discipline. It aims not only to fit its students for professional study and practical life, but also to form the character by a broad Christian culture. This it seeks to attain by direct biblical instruction in the class-room, and by the Christian spirit which pervades all the work of the College.

Location.

The city of Fairfield is one of the most delightful in the state. It is situated at the crossing of the Chicago, Burlington & Quincy and the Chicago, Rock Island & Pacific railroads, and is easy of access from all points. The place is healthy, the society congenial, cultured, and Christian. Many families have removed to Fairfield to secure for their children the advantages of the College, a plan which it is hoped many others will follow.

Buildings.

BALLARD HALL, the young ladies' dormitory, is designed in a modernized colonial style. It is a three story building constructed of vitrified brick with light trimmings, at an outlay of over \$17,000. The interior is arranged on a novel plan. The dining-room is a semi-basement apartment not below the outside ground level. The parlor floor is elevated about four feet above the dining-room floor, and is connected by open screenwork and free columns with a mezzanine story containing a large hall, the Dean's office, the housekeeper's

rooms and four other rooms. One end of this hall terminates in a large art-glass window, opening upon a semi-circular balcony. The other end terminates in an interior bay window effect, with seat, partition, and screen. The parlor is a room 37 feet and 6 inches long by 29 feet wide, divided into six alcoves by four free columns and four partitions the height of wainscoating. Across the end of one of these alcoves there is a large brick fireplace and mantel-piece. There are seats built into the alcoves and corners, and the whole is arranged so that the parlor and hall may be used as one large room for receptions and other festive occasions, and still be cozy and homelike for everyday use.

The second story is divided into ten apartments besides a large toilet and bath room. Each apartment furnishes study-room facilities for two students, and contains two alcoves. Each of these alcoves is supplied with a single bed and a wardrobe. The third story contains music rooms and other apartments. The rooms are lighted by both gas and electricity, and heated by steam.

ANKENEY HALL, the main College building, was totally destroyed by fire on August 19, 1902.

Pending the erection of the new buildings, the work of the College is being carried forward in the temporary quarters provided in Ballard Hall. The plan for rebuilding, as adopted by the Board of Trustees, involves the erection, during the present year (1903), of the following buildings:

HALL OF LIBERAL ARTS. This building will be devoted to the departments of Ancient and Modern Languages, Mathematics, Political and Social Sciences, and Philosophy.

HALL OF SCIENCE. This building is planned for the departments of Biology, Physics, and Chemistry. It is most complete in its arrangements for all forms of laboratory work.

ACADEMY BUILDING. Complete provision is made in this building for the work of the Academy, including the School of Commerce which it is proposed to establish.

THE CHAPEL. This is a most beautiful and dignified structure, the centre of the group of new buildings. The auditorium, when all space is used, will accommodate an audience of over 1,000, and will be ample for all the large assemblies of the College. The Literary Societies, the Y. M. C. A., and the Y. W. C. A. will also find special accommodations in this building.

THE LIBRARY. Space is provided for 60,000 volumes, with admirable reading-room and reference-room facilities. The Administrative Offices are located in this building.

THE GYMNASIUM. A commodious home for the physical work of the institution. It includes ample bathing facilities, a swimming pool, etc.

CENTRAL HEATING PLANT, for the heating of all the College buildings.

Library and Reading Room.

The library, containing about 5,000 volumes, was totally consumed in the fire which destroyed Ankeney Hall. The nucleus of a new library has been laid by the purchase of some 600 well-selected reference books.

Fairfield Free Public Library.

This library offers excellent facilities, *free of expense*, to the students of Parsons College. It contains a valuable collection of 18,000 volumes, in all departments of literature. Its museum contains about 20,000 specimens, and is especially rich in the departments of zoology and ethnology. Additions are continually being made both to the library and museum.

Through the munificence of Mr. Andrew Carnegie, a fire-proof building, complete in all its appointments and a model of architectural beauty, was erected in 1892, at an expense of \$40,000.

Laboratories.

The Chemical, Physical, and Biological Laboratories have been equipped, since the fire, by the purchase of several thousand dollars' worth of first-class, modern apparatus.

Gymnasium.

Through the liberality of a friend of the College, a building has been secured for temporary use as a gymnasium. It is supplied with apparatus necessary for light gymnastics, and systematic drill is regularly given by a competent instructor. Great interest is manifested in the playing of both basket ball and hand ball. An opportunity for a medical examination is annually offered to each student, and a record of the results thus obtained is kept as a basis for advice in regard to exercise.

Endowment.

The present productive endowment of the College, exclusive of the buildings, campus, etc., is approximately \$156,000. Large contributions to this fund have been made by Colonel Charles Parsons of St. Louis, T. D. Foster of Ottumwa, C. H. McCormick of Chicago, George W. Cable of Davenport, J. F. Hunt of Donnellson, Calvin Ballard of Winterset, Mrs. Margaret R. Armstrong of Fairfield, Dr. E. B. Ringland of Hamilton, Ill., and other generous friends.

Among the latter, worthy of special mention, is the late Rev. Thomas H. Skinner, D. D., LL. D., an eminent minister of the Presbyterian church and professor of theology in McCormick Theological Seminary. In addition to frequent gifts during his lifetime, his bequest to the College of \$25,000 has recently been added to the endowment fund.

Besides those above mentioned, there have been gifts from members of our churches in all parts of the Synod and from other friends of the institution, together with legacy bonds and legacies by different individuals.

Gifts.

During the year the College has been in receipt of numerous gifts from its friends, of which grateful acknowledgment is here made. Up to December 1902, the largest contributions to a minimum building fund of \$125,000 have been those of Mr. T. D. Foster, of Ottumwa, in the sum of \$25,000, and of the city of Fairfield in the sum of \$29,500.

Needs.

The present funds are far from adequate to the needs and widening work of the College, and the attention, therefore, of those to whom God has given means is called to the opportunity here afforded them of doing great and permanent good by giving or devising of their substance for the more complete establishment of this institution.

Scholarships.

A perpetual scholarship, which entitles the donor to designate the student who shall enjoy its benefits, may be endowed by the payment of five hundred dollars. Such scholarships may also be founded by partial payments or by bequest, in either of which cases the interest accruing is to be paid annually. The purpose of these scholarships is to aid needy and worthy students, especially those who have the gospel ministry in view, and an excellent opportunity is thus afforded to all who are inclined to promote the cause of Christian education. The following scholarships have been endowed in whole or in part:

1. The Joshua Heizer Scholarship, founded by Joshua Heizer, Mediapolis, Iowa.
2. The Jonathan Cable Scholarship (memorial), founded by Sarah E. Cable, Danville, Iowa.
3. The John A. Colwell Scholarship, founded by John A. Colwell, Kittanning, Pennsylvania.
4. The John A. Swan Scholarship, number one, founded by John A. Swan, Morning Sun, Iowa.
5. The John A. Swan Scholarship, number two, founded by John A. Swan, Morning Sun, Iowa.
6. The McClure Scholarship, founded by Mr. and Mrs. I. N. McClure, Mediapolis, Iowa.
7. The Ida B. and Ella May King Scholarship (memorial), founded by Mr. and Mrs. Z. N. King, St. Paul, Minn.
8. The James G. Wilson Scholarship, founded by James G. Wilson, Streator, Illinois.

9. The Mary Drewer Miller Scholarship, founded by Mary Drewer Miller, Carlsbad, New Mexico.

10. The Mrs. N. M. Clute Scholarship of \$1,000, founded by Mrs. N. M. Clute, Charles City, Iowa.

11. The Spencer Grennell Scholarship (memorial), founded by Mrs. Eunice J. Grennell, Keokuk, Iowa.

12. The S. Breckenridge Scholarship, founded by Mr. S. Breckenridge, Pella, Iowa.

13. The Henry Corwith Scholarship (memorial), founded by Messrs. John and Frank Corwith, Chicago, Illinois.

14. The D. T. Newcomb Scholarship of \$2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

15. The Viele Scholarship of \$2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

16. The Westminster Scholarship, founded by the Westminster Presbyterian church, Keokuk, Iowa.

17. The Anna R. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

18. The James D. Mason Scholarship, founded by the late Alexander Mason, Newton, Iowa.

19. The Lyle D. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

20. The Edwin M. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

Government.

Detailed and minute rules of Government are not prescribed, but students are expected to behave at all times with propriety, to be actuated by a high sense of honor and Christian principle, and to conform to the regulations set forth in the handbook of College Legislation.

Religious Exercises.

Daily religious services, at which all students are required to be present, are held in the College Chapel, under the direction of the Faculty.

Every student is required to select some church in the city, and to attend services at least once on the Sabbath. Students are expected to attend the other religious services of the church, and are recommended to take part in the work of the Sabbath School, either as teachers or pupils.

Religious Organizations.

There are two College Christian Associations, one for the young men, and the other for the young women. Under the direction of the Associations a large part of the religious work among the students is carried on. They are well organized and have a large membership from all classes. The meetings form a very important feature of college life.

The handbook issued annually by these societies is of special advantage to new students, and will be sent on application to any who contemplate entering College. These handbooks will also be distributed by the Association's Reception Committees which meet all incoming trains at the opening of the year. All possible assistance will be rendered by these committees to the new students in finding boarding places, etc.

Y. M. C. A.

The Young Men's Christian Association of the College, in addition to its regular weekly prayer-meeting on Sabbath afternoon, conducts classes for the systematic study of the Bible. During the last few years the following courses, each of which requires about one year for its completion, have been carried on:

1. The structure and principle doctrines of the Bible.
2. Life of Christ.
3. Life and Epistles of St. Paul.
4. Studies in Jeremiah.
5. The Acts of the Apostles.

The Bible itself is the text-book used, and the student is guided by outlines published by the International Committee. The Association is annually represented at the Lake Geneva Conference by one or more delegates.

Y. W. C. A.

The young ladies of the College are annually organized into circles for systematic Bible study. The students themselves have charge of these classes and choose a suitable outline of study from among those recommended at the Lake Geneva Conference. In addition to these weekly meetings, a prayer-meeting is held every Wednesday evening. In connection with the Y. M. C. A., a monthly meeting is held for the study of missions and missionary subjects.

Literary Societies.

There are four literary societies in the College, conducted by the students under the general regulation of the Faculty. These are Aldine, Orio, Alethean, and Elzevir. Every student is expected to connect himself with one of these societies, and to improve the advantages thus afforded.

Opportunities are thus presented for improvement in writing and extemporaneous speaking, and for training in conducting deliberative assemblies. Annual prize contests in declamation, debate, oratory, and essay-writing are held in each of these societies. These contests furnish a stimulus to excellence in literary work.

Recitations and Examinations.

Students will be admitted at any time and assigned to the classes for which they may be prepared, but it is very important and desirable that they enter at the beginning of the term.

The studies are so arranged that each class has ordinarily three recitations daily. No college exercises are held on Saturday. Frequent reviews, oral or written, are required; and the closing days of each term are devoted to examinations on the work of the term.

Graduation.

All three courses require four years for their completion; and no student is allowed to graduate in less than four years of actual residence (except in cases of admission to advanced standing, as provided

for in the Terms of Admission on page 14) without the special permission of the Faculty.

Every student, in order to be recommended for a degree, must have passed satisfactorily in at least one hundred and ninety-two term-hours of work, including all the required work of the course in which the degree is sought.

First Degrees.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science are conferred at graduation upon those who have successfully completed the corresponding courses, and who have complied with all the requirements of the College.

Second Degrees.

The College confers the degrees of Master of Arts, Master of Philosophy, and Master of Science upon graduates who have previously taken the degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science, respectively, in this College, or in other institutions of recognized collegiate rank. Candidates who wish to be recommended for any one of these advanced degrees must pursue an approved course of study equivalent to the work of one year of graduate study in the College, must present a satisfactory thesis, and pass successfully all required examinations. This work may be done at the College or elsewhere, but if it is not done at the College, or in connection with some institution of high rank, a longer time and a larger nominal amount of study will be required, and the degree will not be conferred until at least three years after graduation. For more detailed information apply to the President of the College.

Prizes.

The following Prizes are awarded in the College:

1. The Kellogg Prizes, first and second, of thirty and twenty dollars, respectively, given by Mr. R. D. Kellogg, Kansas City, Missouri, to the two members of the Junior class who shall write and deliver in the best manner an English oration.

2. The Biological Prize of ten dollars, given to the member of the Junior or Senior class who shall excel in the study of Botany or Zoology, to be determined by class-room work and a thesis.

3. The Freshman Prizes, first and second, of fifteen and ten dollars, respectively, given to the two members of the Freshman class who shall excel in a contest in declamation.

4. The Foster Inter-Society Prize of twenty-five dollars, given by Mr. T. D. Foster, Ottumwa, Iowa, to the Society whose team shall win in a public debate between the Aldine and Orio Societies.

5. The Horatio Millard Newcomb Prize of fifteen dollars, given by Rev. Ezra B. Newcomb, D. D., Keokuk, Iowa, to that member of the Senior class who shall attain the highest rank in the Biblical studies of the Junior and Senior years, and who shall present the best essay on some assigned Biblical subject.

6. The Brockman Prize of fifteen dollars, given by Dr. D. C. Brockman, Ottumwa, Iowa, to that member of the Senior class who shall attain the highest rank in advanced Political Economy, and who shall present the best thesis on some assigned topic in that subject.

7. The Aldine Alumni Endowment Fund Association's Prizes in Oratory, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to the two of its Sophomore members who shall excel in an oratorical contest.

8. The Orio Prize in Oratory, a gold medal, given by the Orio Literary Society to that one of its Sophomore members who shall excel in an oratorical contest.

9. The Alethean Prize in Oratory, a set of valuable books given by the Alethean Literary Society to that one of its Senior, Junior, or Sophomore members who shall excel in an oratorical contest.

10. The Elzevir Prize in Oratory, a set of valuable books, given by the Elzevir Literary Society, to that one of its Sophomore members who shall excel in an oratorical contest.

11. The Aldine Alumni Endowment Fund Association's Prizes in Debate, first and second, of fifteen and eight volumes of books, respec-

tively, given by the Aldine Literary Society to the two of its Freshman members who shall excel in a contest in debate.

12. The Orio Prize in Debate, a gold medal, given by the Orio Literary Society to that one of its Freshman members who shall excel in a contest in debate.

13. The Elzevir Prize in Essay-writing, a set of valuable books, given by the Elzevir Literary Society, to that one of its Freshman members who shall excel in a contest in essay-writing.

14. The Alethean Prize in Declamation, a set of valuable books, given by the Alethean Literary Society to that one of its Freshman or Academy members who shall excel in a contest in declamation.

Expenses.

The annual charges for tuition are *thirty-two* dollars. Of this amount *twelve* dollars are payable on the opening day of the Fall term, *ten* dollars on the opening day of the Winter term, and *ten* dollars on the opening day of the Spring term.

A reduction of twenty-five per cent from the above rates of tuition will be made to the sons and daughters of ministers. Twenty-five per cent will also be deducted from the full rates of tuition for each additional student in simultaneous attendance from the same family. Needy students will likewise be allowed a reduction, if recommended by the Faculty's Committee on Scholarships.

An incidental fee of three dollars per term is charged all students. Students in Physics and Botany will also be charged a fee of one dollar per term each, those in Biology and Chemistry from one to two dollars per term each, to cover the cost of material used.

A deposit of one dollar per term is required from each student, to constitute a damage fund, out of which the College property damaged by the students, when the author is unknown, is repaired. At the end of each year the balance is refunded. By this means the property is kept in good condition, and the amount deducted from each deposit has hitherto not exceeded a few cents.

Young ladies from a distance are required to take up their residence

in Ballard Hall. Accommodations can be obtained there, including board, room, light, and heat at from three and one half to three dollars and seventy-five cents per week. The equipment and table board are first class in every respect. For information as to Ballard Hall, see the illustrated booklet which will be sent to any address upon application to the President of the College.

Board, for young men, including room, fuel, and light, is provided in pleasant homes at prices varying from three to three and a half dollars per week; board, in private families, at two and a half to three dollars per week. Furnished rooms, suitable for two students, can be rented in the town at prices ranging from seventy-five cents to one and a quarter dollars per week; unfurnished rooms at from twenty-five to fifty cents per week. Three or four students, by renting rooms and boarding themselves, can reduce the expense of both board and room to two dollars, or less, per week. The Faculty will render assistance, when desired, in finding suitable boarding places for students.

For several years past the students have conducted a boarding-club which aims to furnish good board *at actual cost*. Accommodations are thus provided for from twenty-five to thirty students. The price of board in this club has hitherto averaged about two dollars per week.

Every young person of good moral character, who is bent on gaining a liberal education, and who is willing to make the necessary sacrifice, and to practice corresponding economy, will always find sympathy and encouragement in Parsons College.

The entire annual expenses of a student, traveling expenses not included, need not exceed \$200; and students using economy can reduce the annual expenses to \$150, as may be seen from the following summary:

	Minimum	Moderate
Tuition	\$ 32.00	\$ 32.00
Incidental fee	9.00	9.00
Room	9.00	to 22.50
Fuel	4.00	to 6.00
Board	60 00	to 96.00
Incidentals (including washing, books, etc.) . .	36.00	to 59.50
Total for the year	\$150.00	\$225.00

The Academy.

Aim.

The special purpose of the Academy is to furnish a thorough preparation to students who wish to take a full collegiate course. To this end the requirements for admission to colleges and universities have been made the basis of the Classical and Scientific courses. At the same time this arrangement gives a practical and thorough high school course to those who do not intend to enter college. To those who do not desire to study Latin and Greek, an English course is offered in which stress is laid upon Mathematics, the Sciences, History, and English. This is an excellent course for those who contemplate teaching in the graded schools, as well as for those who intend to devote themselves to business.

Admission.

Students entering the Academy must be prepared in the Arithmetic, Grammar, Political and Physical Geography, Physiology, and United States History usually taught in the grammar grade. Admission to advanced standing may be obtained upon passing satisfactory examinations in the preceding studies of the course, or upon the presentation of credentials showing that the work was thoroughly done elsewhere. Those who come prepared for College in all but one or two lines of study will be offered every facility for completing their preparation in less than three years.

Graduation.

Upon completion of any one of the courses of instruction, a corresponding certificate of graduation is given. The holder of a Classical certificate is entitled to admission to the Classical course in the Col-

lege, and the holder of a Scientific certificate to either the Philosophical or Scientific course.

Religious Exercises.

Daily chapel services, at which all the students are required to be present, are held. Attending divine worship at least once on the Sabbath is also obligatory upon all. Students are allowed to attend whatever church they may indicate at the opening of the year as their preference. There are two Christian Associations in the College of which most of the Academy students are members (see page 56).

Regulations.

Careful records are kept of the attendance and scholarship of students, and satisfactory excuses must be given for all absences.

If a student falls below grade, he is admonished, and, if after such admonition his work still continues unsatisfactory, he is dropped to a lower class.

No student is allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the school.

Literary Societies.

There are in the College four Literary Societies with which the Academy students are asked to unite. These Societies afford ample opportunity for the study of parliamentary law, and for the exercise of the student's gifts in composition and public speaking.

Prizes.

The following prizes are awarded in the Academy:

1. The Brown Prizes, first and second, of ten dollars and five dollars respectively, given by George A. Brown, Ottumwa, Iowa, to the two members of the Academy who shall excel in a contest in declamation.

2. The Aldine Alumni Endowment Fund Association's Prizes in Declamation, first and second, of fifteen and eight volumes of books,

respectively, given by the Aldine Literary Society to those two of its Academy members who shall excel in a contest in declamation.

3. The Orio Prize in Declamation, a gold medal given by the Orio Literary Society to that one of its Academy members who shall excel in a contest in declamation.

4. The Alethean Prize in Declamation, a set of valuable books, given by the Alethean Literary Society to that one of its Freshman or Academy members who shall excel in a contest in declamation.

5. The Elzevir Prize in Declamation, a set of valuable books, given by the Elzevir Literary Society to that one of its Academy members who shall excel in a contest in declamation.

Expenses.

The annual charges for tuition are *twenty-six* dollars. Of this amount *ten* dollars are payable on the opening day of the Fall term, *eight* dollars on the opening day of the Winter term, and *eight* dollars on the opening day of the Spring term. An incidental fee of three dollars per term is charged all students. For damage deposit see page 60.

For necessary expenses connected with boarding, rooming, etc., and for possible reduction in tuition, see the article on College Expenses (page 60).

Departments of Instruction.

LATIN.

201. Grammar and Lessons.

The time is mainly devoted to mastering forms and constructions. Reading of easy Latin.

Text-books: Collar and Daniell's First Latin Book, Bennett's Latin Grammar, and Collar's New Gradatim.

Five hours weekly, Fall and Winter terms.

202. Cæsar and Prose Composition.

Books II, III, IV, and VI of the Gallic War are read. Weekly exercises in Prose Composition.

Text-books: Allen and Greenough's New Cæsar and Moulton's Latin Composition.

Five hours weekly, Spring and Fall terms.

203. Cicero and Prose Composition.

Six orations are read.

Text-books: Allen and Greenough's New Cicero and Moulton's Latin Composition.

Five hours weekly, Winter and Spring terms.

204. Vergil and Syntax.

Six books of the Æneid.

Text-books: Greenough and Kittridge's Vergil and Moulton's Latin Composition.

Four hours weekly, throughout the year.

GREEK.**211. First Greek Book.**

The time is devoted to a thorough drill in pronunciation according to the written accents, to forms, simple constructions, and the acquirement of a vocabulary. Daily practice is given in the oral and written translation of Greek into English, and of English into Greek.

Text-book: White's First Greek Book.

Five hours weekly, first half-year.

212. Anabasis.

Books I and II are read, accompanied by a review of inflections and a systematic study of syntax.

Text-books: Goodwin's Anabasis and Goodwin's Greek Grammar.

Five hours weekly, second half-year.

ENGLISH.

In view of the fact that a thorough knowledge of the English Language is of the utmost importance to every student, great stress is laid on the work of this department. Beginning with September, 1903, the requirements in English will be increased.

221. English Analysis and Literature.

Each week three recitations are devoted to systematic drill in the analysis of English sentences, and two recitations to the work in English Literature. Longfellow: Evangeline, A Gleam of Sunshine, The Day is Done, The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Ladder of St. Augustine, A Psalm of Life, The Builders, The Warden of the Cinque Ports.

Five hours weekly, Fall term.

222. Rhetoric and Literature.

Each week two recitations are devoted to Genung's Outlines of Rhetoric and three recitations to work in English Literature.

In the Winter term the following selections from Palgrave's Golden Treasury:—Wordsworth: The Education of Nature, To the Skylark, To the Daisy, Ode to Duty, To a Distant Friend, Milton! Thou shouldst be living at this hour, London, The world is too much with us; Campbell: Ye Mariners of England, Hohenlinden, The River of Life; Coleridge: Youth and Age.

In the Spring term the following selections from Tennyson: Morte d'Arthur, Recollections of Arabian Nights, To Vergil, Early Spring, Ulysses, You ask me why, Of old sat Freedom, Crossing the Bar, Eve of St. Agnes, The songs in the Princess, and Break, Break, Break!

Five hours weekly, Winter and Spring Terms.

223. English Literature.

A brief course in the history of English Literature.

Text-book: Painter's Introduction to English Literature.

Five hours weekly, Fall term.

GERMAN.

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

231. Thomas's German Grammar, Part I.

Five hours weekly, Fall Term.

232. Grammar Continued; Grimm's Mærchen.

Five hours weekly, Winter term.

233. Grammar Continued; Storm's Immensee, and Heyse's L'Arrabbiata.

Five hours weekly, Spring term.

MATHEMATICS.

The aim of the instruction in Mathematics in the Academy is (a) to give those students who expect to continue their studies along collegiate lines a thorough and adequate preparation for such work, and (b) to secure for those who intend to become teachers in the graded schools that training in Algebra and Geometry which proves so helpful in the teaching of Arithmetic. The scope of the work in Mathematics, and the time allotted to it, may be seen in the following outline:

241. Algebra.

Fundamental processes, factoring, fractions, equations and problems involving one or more unknown quantities, inequalities, imaginary expressions, powers and roots, fractional and negative exponents, reduction and combination of radicals, and the solution of radical and quadratic equations.

Text-book: Wentworth's New School Algebra.

Five hours weekly, throughout the year.

243. Plane and Solid Geometry.

The ability to reason correctly is cultivated not only by a logical reproduction of the proofs and constructions of the text-book, but also by frequent exercises in the original demonstration of theorems and the solution of numerical problems.

Text-book: Wentworth's Plane and Solid Geometry.

Five hours weekly, throughout the year.

SCIENCE.**251. Physics.**

This course is a combination of recitations and laboratory work, two hours each week being assigned to the former, and one hour to the latter.

Text-book: Henderson and Woodhull's Physics.

Three hours weekly, throughout the year.

252. Botany.

The first part of the time will be devoted to the laboratory study of seeds, seedlings, roots, stems, leaves, flowers, and fruits, together with experimental work upon physiological processes. This work will be followed by the study of the local flora, with the collection and determination of phanerogamic species, and instruction in the preparation and mounting of herbarium specimens.

Text-books: Coulter's Plant Relations and Bergen's Elements of Botany.

Four hours weekly, Winter and Spring terms.

253. Physical Geography.

Text-book: Tarr's Elementary Physical Geography.

Four hours weekly, Fall term.

254. Physiology.

Text-book: Martin's Human Body (briefer course).

Five hours weekly, Winter and Spring terms.

CIVICS.**255. Civil Government.**

A study of town, city, county, state, and national government. Special attention will be paid to the government of Iowa.

Text-book: Townsend's Civil Government.

Five hours weekly, Spring term.

256. Economics.

Text-book: Walker's First Lessons in Political Economy.

Three hours weekly, Winter and Spring terms.

HISTORY.**261. Ancient History.**

A brief review of the eastern nations, followed by a detailed study of the history of the Greeks and Romans.

Text-book: Myers's General History.

Five hours weekly, Fall term.

262. Mediæval and Modern History.

The Byzantine Empire, Charlemagne, Feudal System, Crusades, Reformation, and the rise and growth of the Modern European Nations.

Text-book: Myers's General History.

Five hours weekly, Winter term.

SUB-PREPARATORY WORK.**270. Grammar Grade Studies.**

This course is intended for those who lack the preparation necessary for successfully entering upon the regular academic work. At the same time an excellent review is thus afforded students who expect to teach these subjects in the district schools.

Fifteen hours weekly, throughout the year.

BOOKKEEPING.

A course in office methods and practical bookkeeping, combining instruction in approved methods of business practice with modern accounting and commercial law.

Text-book: Powers and Lyons's Office Methods and Practical Bookkeeping.

Two hours weekly, throughout the year.

STENOGRAPHY.

Designed for those desiring a thorough acquaintance with a standard system of Phonography. The course includes the elements of phonography, dictation, commercial forms, reporting style, and is intended to fit for office-work and for general reporting.

The hours are arranged independently for each student, as the individual method of instruction is followed.

This course is not included in the usual College or Academy work, and the expense will therefore be \$10 per term extra.

Text-book: Graham's Standard Phonography.

TYPEWRITING.

Intended to accompany the course in Stenography. The method of instruction is the new system, or Touch-method. The practice will be on the Smith-Premier Typewriter.

Hours will be arranged for each student. The expense for this course is extra, and will be \$4 per term, this including the use of machine for practice.

Courses of Study.*

CLASSICAL COURSE.

FIRST YEAR.

FALL TERM.

HOURS.

<i>Latin</i> 201—Grammar and First Latin Book	5
<i>History</i> 261—Ancient History (Myers)	5
<i>English</i> 221—English Analysis and Literature	5

WINTER TERM.

<i>Latin</i> 201—Grammar and Gradatim	5
<i>History</i> 262—Mediæval and Modern History (Myers)	5
<i>English</i> 222—Rhetoric and Literature	5

SPRING TERM.

<i>Latin</i> 202—Cæsar and Prose Composition	5
<i>Civics</i> 255—Civil Government (Townsend)	5
<i>English</i> 222—Rhetoric and Literature	5

SECOND YEAR.

FALL TERM.

<i>Latin</i> 202—Cæsar and Prose Composition	5
<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>English</i> 223—English Literature (Painter)	5

WINTER TERM.

<i>Latin</i> 203—Cicero and Prose Composition	5
<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>Economics</i> 256—(Walker's First Lessons)	3
<i>Science</i> 252—Botany (Coulter)	4

* Beginning with September, 1903, the requirements in English will be increased.

SPRING TERM.

<i>Latin</i> 203—Cicero and Prose Composition	5
<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>Economics</i> 256—(Walker's First Lessons)	3
<i>Science</i> 252—Botany (Coulter)	4

THIRD YEAR.

FALL TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5
<i>Greek</i> 211—First Greek Book (White)	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

WINTER TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5
<i>Greek</i> 211, 212—First Greek Book and Anabasis	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

SPRING TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Solid Geometry (Wentworth)	5
<i>Greek</i> 212—Anabasis and Grammar (Goodwin)	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

SCIENTIFIC COURSE.

The studies of the First and Second years of this course are identical with those of the corresponding years of the Classical course.

THIRD YEAR.

FALL TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5

<i>German</i> 231—Grammar (Thomas)	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

WINTER TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5
<i>German</i> 231—Grammar and Grimm's Mærcchen	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

SPRING TERM.

<i>Latin</i> 204—Vergil and Syntax	4
<i>Mathematics</i> 243—Solid Geometry (Wentworth)	5
<i>German</i> 231—Grammar; Immensee; L'Arrabbiata	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

ENGLISH COURSE.
FIRST YEAR.

FALL TERM.

<i>Mathematics</i> 270—Arithmetic	3
<i>Geography</i> 270—Political Geography	5
<i>English</i> 270—Orthography and Elocution	5
<i>Bookkeeping</i>	2

WINTER TERM.

<i>Mathematics</i> 270—Arithmetic	3
<i>History</i> 270—U. S. History (Johnston)	5
<i>English</i> 270—English Grammar	5
<i>Bookkeeping</i>	2

SPRING TERM.

<i>Mathematics</i> 270—Arithmetic	3
<i>History</i> 270—U. S. History (Johnston)	5
<i>English</i> 270—English Grammar	5
<i>Bookkeeping</i>	2

SECOND YEAR.

FALL TERM.

<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>History</i> 261—Ancient History (Myers)	5
<i>English</i> 221—English Analysis and Literature	5

WINTER TERM.

<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>History</i> 262—Mediæval and Modern History (Myers)	5
<i>English</i> 222—Rhetoric and Literature	5

SPRING TERM.

<i>Mathematics</i> 241—Algebra (Wentworth)	5
<i>Civics</i> 255—Civil Government (Townsend)	5
<i>English</i> 222—Rhetoric and Literature	5

THIRD YEAR.

FALL TERM.

<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5
<i>English</i> 223—English Literature (Painter)	5
<i>Science</i> 253—Physical Geography (Tarr)	4
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

WINTER TERM.

<i>Mathematics</i> 243—Plane Geometry (Wentworth)	5
<i>Economics</i> 256—(Walker's First Lessons)	3
<i>Science</i> 254—Physiology (Martin)	4
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

SPRING TERM.

<i>Mathematics</i> 243—Solid Geometry (Wentworth)	5
<i>Economics</i> 256—(Walker's First Lessons)	3
<i>Science</i> 252—Botany (Coulter)	5
<i>Science</i> 251—Physics (Henderson and Woodhull)	3

School of Music.

The work of this department is modeled after that of the New England Conservatory, and the distinguishing characteristics of that great institution are incorporated in its method of instruction.

A thorough, progressive, and modern method of instruction is offered in the following: Piano, Voice Culture and Singing, Violin, Mandolin, Guitar, Cornet, Clarinet, Harmony, and the Theory, History, and Literature of Music.

Piano.

First Grade:—New England Conservatory Method, Part I; Stephen Emery, Head and Hands.

Technical exercises for acquiring correct position of hands and for strengthening fingers.

Second Grade:—Koehler, Twelve Little Studies, Op. 157; Duvernoy, Easy and Progressive Studies, Op. 176, Books I and II; Koehler, Primary Studies, Op. 50; Loeschhorn, Melodious Studies, Op. 52, Book I; Loeschhorn, Progressive Studies, Op. 66, Book I; Heller, Studies, Op. 47, Book I; Lombard, Etudes, Book I.

With this grade begins the study of the scales and chords in the major keys. Six of the above studies and from five to ten pieces, together with finger exercises adapted to the needs of the student, must be completed before entering upon the next grade.

Third Grade:—Bertini, Op. 29, Book I; Heller, Op. 45, Book II; Krause, Op. 2, Book I (Trill Studies); Berens, Op. 61, Books I and II (Velocity Studies); Czerny, School of Velocity, Books I and II; Bach, Six Short Preludes and Two-Part Inventions, selected and fingered by Franz Kullak; F. Hummel, Music for left hand only, Op. 43; Loeschhorn, Op. 66, Books II and III; Lombard, Etudes, Books II and III.

At least eight of the above studies must be satisfactorily completed

in this grade. Practice of scales and chords, together with arpeggios and various finger exercises. Octave studies from Czerny. Vogt and Turner's Octave School and Petersilea's Technique, Book I, will be used if the pupil is sufficiently advanced. Compositions from the various schools.

Fourth Grade:—Cramer, Fifty Selected Studies, edited by Von Bulow; Czerny, Op. 740, Books I and II; Bach, Three-Part Inventions; Heller, Art of Phrasing, Op. 16; Krause, Studies for left hand, Op. 15, Books I and II; Turner, Four studies for left hand, Op. 29; Heller, Op. 45 or 90; Low, Octave Studies.

Daily practice of scales and arpeggios, varied by legato, staccato, etc., with double thirds, dominant and diminished seventh chords, and arpeggios. Selections from Tausig's Daily Exercises and Petersilea's Technique, Book II. At least ten of the above studies and scales in all the various forms, major and minor, together with a reasonable number of the best compositions of the masters, classic and modern, will be required of all candidates for the Teacher's Certificate.

Fifth Grade:—Clementi, Gradus ad Parnassum, edited by Tausig; Kessler, Op. 20, Book I; Selections from Bach's Well-Tempered Clavichord; Easier numbers of the Chopin Etudes; Moscheles, Op. 70, Books I and II; Kullak, Octave Studies; Alex. Hollander, Six pieces for left hand, Op. 31.

Technical work from Tausig's Daily Exercises. Also Daily Exercises by Faelten, Henselt, and Joseffy. Classical and modern compositions.

Sixth Grade:—The more difficult numbers of the Chopin Etudes. Selections from Bach's Well-Tempered Clavichord; Czerny, School for Virtuosity, Op. 365, selected by Bischoff; Liszt, Etudes; Schuman, Op. 13; Turner, Two Preludes and Fugues in Octaves, Op. 22; Six Concert Octave Etudes.

Daily technical work. At least two concert programs, selected from the more difficult compositions for the piano, must be prepared.

Voice Culture and Singing.

This course is divided into six grades, beginning with the proper placing of the voice, the correct method of breathing, and the production of tone.

Great attention is given to the development and strengthening of the natural voice, to distinct enunciation—in fact, to all the essential features necessary for a finished singer.

The method used is the one so extensively taught by Lyman W. Wheeler of Boston, one of America's finest vocal teachers—the old Italian method, with modifications suggested by the experience of the world's most renowned teachers.

A one year's course in vocal music, fitting students to supervise the music in public schools, is given by Miss Ball.

Violin.

This course is divided into four grades, commencing with the correct manner of holding the instrument and bow, and the production of a smooth, round, and full tone. Studies in the different kinds of bowing, finger exercises, etc. Compositions from the classic and modern composers.

Regular ensemble classes are formed to accustom the student to accompany other instruments, thus enabling him to acquire the necessary accuracy in rhythm and pitch.

Mandolin, Guitar, Cornet, Clarinet.

These courses are divided into four grades. Commencing with the correct method of holding each instrument and the proper production of tone, the student advances through progressive studies and technical exercises to the mastery of the best compositions.

Harmony.

The study of Harmony is essential to every student of music, and a thorough course in the texts of Emery, Chadwick, and Richter is given.

Musical Literature and History.

An assigned course of reading is required of every student reaching the last grade of the several courses.

Literary Work.

All courses of the Academy and College are open to students in the School of Music, and work in the departments of French, German, and English is specially advised. Such work gives variety, breadth, and culture to those who choose music as a profession.

Recitals.

Private recitals are given every two weeks. Each student is required to take part, and thus acquire that self-control and composure so necessary to a satisfactory performance in public.

Public recitals are also given at intervals by those students who acquit themselves most creditably at the private recitals.

Teacher's Certificate.

The student who successfully completes the first four grades in either Piano or Voice, together with one year's work in Harmony and Ear Training, will be granted a Teacher's Certificate. This certificate will admit the holder to the fifth grade of the New England Conservatory without examination.

Diploma.

The student who successfully completes the six grades in either Piano or Voice, together with two years of Harmony, Musical History and Literature, and Theory of Music, will be granted a diploma—provided sufficient advancement has been made along literary lines to enable the student to enter the Freshman class of the College. This diploma will admit the holder, without examination, to the sixth grade of the New England Conservatory, and with due diligence he may graduate from that institution in one year.

Oratorio Society and Chorus Class.

The Oratorio Society is an organization designed for the study and rendition of standard oratorios, cantatas, operettas, choruses, part songs, etc. During the past year, the society had a membership of sixty-five and gave a public presentation of the oratorio, "Paul, the Apostle."

Membership in this society is free, and any student may become a member and have the benefit of this vocal training.

Orchestra.

The Orchestra, during the past year, had a membership of forty. The instrumentation consisted of first and second violins, violas, violoncellos, contrabassos, flutes, clarinets, cornets, trombones, French horns, drums, and piano. Several concerts were given during the year, and regular weekly practices were held. Membership in this orchestra is free, and any student studying on any of the orchestral instruments may become a member, thus gaining practical experience in ensemble playing.

Military Band.

The Military Reed Band has a membership of thirty-two. The instruments used are E flat, B flat, alto, and bass clarinets; soprano, alto, tenor, and bass saxophones; piccolo; flute; cornets; alto horns; trombones; euphoniums; basses, and drums. Students taking lessons on any of the above instruments may become members of this organization and have the benefit of the weekly rehearsals.

Expenses.

The charges for tuition per term of ten weeks, two lessons each week, are as follows:

Piano	\$15.00
Voice Culture	15.00
Violin	15.00
Mandolin	10.00

Cornet, Clarinet, and other wind instruments	10.00
Harmony (in class)	6.00
Piano rent (one hour daily, per term)	1.50
Piano rent (several hours daily, per term).	2.00

In classes of two—

Piano	\$10.00
Voice Culture	10.00
Violin.	10.00

In classes of eight—

Ear Training	\$ 2.50
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All lessons will be of forty minutes' duration.

Classes in Vocal Sight Reading pro rata according to size of class. Musical History and Literature free to all music students. Tuition payable strictly in advance. No pupil taken for less than a term. No deductions for lessons missed except in case of protracted illness.

For further information, address the Director of the School of Music.

Degrees and Prizes.

DEGREES CONFERRED, 1902.

BACHELOR OF ARTS.

JAMES WILSON BEAN,
MABEL JEANETTE BUEDEL,
EDWARD AURELIUS CULBERTSON,
ARTHUR EDWARD LABAGH,
ETHEL MAY SMYTHE,
MARION BEGGS TWINAM.

BACHELOR OF PHILOSOPHY.

NELLIE CECELIA BONFIELD,
KATHERINE ISABEL HANSON,
KATHERINE LOUISE SHARON.

BACHELOR OF SCIENCE.

WILLIAM MCCOY.

GRADUATE IN MUSIC.

ETHEL BRADSHAW,
RUBY SCIPLE.

MASTER OF ARTS.

MELVIN VERNON HIGBEE, Class 1895.
FRED D. MASON, Class 1891.

DOCTOR OF DIVINITY.

President GUY WADSWORTH, Los Angeles, Cal.
Professor SELBY FRAME VANCE, Wooster, Ohio.
President ELMER ELLSWORTH REED, Storm Lake, Iowa.

PRIZES AWARDED, 1901-1902.

FOSTER PRIZE IN DEBATE.

William O. Waters.

FRESHMAN PRIZES IN DECLAMATION.

First, George W. Gearhart,

Second, Jessie M. Shelby.

ALDINE PRIZES IN ORATORY.

First, Albert Harrison,

Second, Abram Frank Pearson.

ALETHEAN PRIZE IN ORATORY.

Marion B. Twinam.

ALETHEAN PRIZE IN ESSAY-WRITING.

Anna Donnelly.

ALDINE PRIZES IN DECLAMATION.

First, Harry Mendenhall,

Second, Paul S. Gearhart.

ALETHEAN PRIZE IN DECLAMATION.

Grace E. Houston.

List of Students.

STUDENTS IN THE COLLEGE.

GRADUATES.

Margaret K. Black, B. S.,	Botany,	Fairfield
Joseph E. Burkhart, B. A.,	Philosophy,	Twin Bridges, Mont.
Hugh Jack,	Philosophy,	Des Moines
Lucien Berry Jones, B. S.,	Botany,	Crete, Neb.
Albert H. Jordan, B. A.,	Greek, History,	La Salle, Ill.
Charles Ricksher, B. S.,	Histology,	Baltimore, Md.
Ray C. Smith, B. A.,	Philosophy,	Furrukhabad, India
Lloyd C. Walter, B. A.,	History, Greek,	Enid, O. T.

SENIORS.

Anna Grace Hague,	Cl.,	Libertyville
Margaret J. Irwin,	Sc.,	Mediapolis
Frank Albert Lewis,	Cl.,	Essex
Mary Jane McCrea,	Cl.,	Conway
George Haines Mount,	Cl.,	Fairfield
Lulu Belle Smith,	Cl.,	Guthrie Centre
Zora Mercedes Smythe,	Cl.,	Chariton
Elizabeth Heaton Whitney,	Cl.,	Fairfield
Thomas Bruce Young,	Sc.,	Promise City

JUNIORS.

Albert Harrison,	Cl.,	Hiteman
Walter Vincent Hughes,	Ph.,	Columbus Junction
George Ellis Jones,	Sc.,	Centerville
Ray Kirkpatrick,	Cl.,	Keota

LIST OF STUDENTS.

85

Rolla Richard McCormick,	Ph.,	Fairfield
John Calhoun McGlade,	Ph.,	Winfield
Grace Sue Morris,	Ph.,	Fairfield
Abram Frank Pearson,	Cl.,	Washington
Eugene Harvey Robinson,	Sc.,	Clay
Louise Ella Twinam,	Cl.,	Lenox
William Oral Watters,	Sc.,	Fairfield

SOPHOMORES.

Alice Caroline Atchison,	Cl.,	Albia
Mary Vera Atchison,	Cl.,	Albia
Helen Alice Bean,	Cl.,	Fairfield
Clara Belles,	Sc.,	Mt. Hamill
Elizabeth Alice Black,	Ph.,	Fairfield
Martha Frances Black,	Ph.,	Fairfield
Helen May Clarke,	Ph.,	Fairfield
Anna Donnelly,	Cl.,	Bonaparte
Violette Maie Flower,	Ph.,	Fairfield
George Woodward Gearhart,	Ph.,	Batavia
Bruce Gobble,	Ph.,	Fairfield
Clara May Hisel,	Ph.,	Fairfield
Bonnie May Manatrey,	Ph.,	Fairfield
Jessie Fye Manatrey,	Ph.,	Fairfield
Charles Adelbert Morgan,	Cl.,	Corning
Ansel Ernest Nutting,	Cl.,	Milo
Glenneweir Ringland,	Ph.,	Hamilton, Ill.
Jessie Mozelle Shelby,	Sc.,	Selma
Katherine Julia Tappert,	Ph.,	Fairfield
Daniel Omer Wilson,	Sc.,	Hedrick

FRESHMEN.

Nellie Blanche Ball,	Sc.,	Fairfield
Florence Leonora Bell,	Sc.,	Fairfield
Florence Jones Blackford,	Sc.,	Fairfield
Mary June Calhoun,	Ph.,	Birmingham

Alice Grace Clements,	Ph.,	New London
Cleopatra Faith,	Cl.,	Bedford
Nellie Griffith,	Sc.,	Fairfield
Harold Stephen Greenleaf,	Sc.,	Unionville
Esther Alva Marie Grove,	Sc.,	Fairfield
Leslie Dwight Harper,	Ph.,	Fairfield
Clara Dell Hinkle,	Ph.,	Butte, Mont.
Abigail Dunlay Hunt,	Ph.,	Fairfield
John Gifford Hunt,	Sc.,	Fairfield
Ralph Chase Huston,	Sc.,	Fairfield
May Keirns,	Cl.,	Columbus Junction
Walter Craig Kirkpatrick,	Sc.,	Keota
Clark Hays Lauder,	Ph.,	Afton
John Dwight McGaughey,	Ph.,	Russell
Alta Maud Mallock,	Ph.,	Villisca
Harry Edgar Mendenhall,	Sc.,	Fairfield
Ernest Uriah Peasley,	Ph.,	Fairfield
David Clarkson Shelby,	Sc.,	Selma
Roscoe Petzinger Thoma,	Cl.,	Fairfield
Bonnie Vernon,	Ph.,	Crawfordsville
Louella Belle Welch,	Sc.,	Fairfield
Ethel Elizabeth White,	Sc.,	Fairfield

SPECIALS.

Elva Lida Downing	Keota
Etta May Grice	Fairfield
John Jay Hisel	Fairfield
Nathaniel Lamson Howard	Fairfield
Robert Bruce Loudon	Fairfield
Robert Lyons Picken,	Ottumwa
Frank Ricksher	Fairfield
Edwin Post	Moulton
Vivien Post	Moulton
Samuel Addison Soxe	Fairfield
Henry Burt Willis	Reger, Mo.

STUDENTS IN THE ACADEMY.

THIRD YEAR.

Mary Powell Bean,	Sc.,	Fairfield
Frances Edna Bradshaw,	Sc.,	Fairfield
Jessie Penn Ora Bradshaw,	Sc.,	Fairfield
Harold Brown,	Sc.,	Fairfield
Jennie Ethel Foote,	Sc.,	Fairfield
Howard Park Gage,	Cl.,	Fremont
Paul Stephen Gearhart,	Sc.,	Batavia
Alice May Houston,	Sc.,	Allerton
Grace Eleanor Houston,	Sc.,	Allerton
Richard David Hughes,	Cl.,	Columbus Junction
Martha Helen Labagh,	Sc.,	Fairfield
Mabel Alice Moyer,	Sc.,	Baker
Leo Lester Werts,	Sc.,	Russell
William Wilbur Wirtz,	Cl.,	Fairfield

SECOND YEAR.

Mary Chidester	Fairfield
Jessie May Davies	Fairfield
Mae De Long	Brighton
Beulah Eunice Picken	Ottumwa
Frank Samuel West	Fairfield

FIRST YEAR.

Harry David Amsley	Ottumwa
Arthur George Gale	Ottumwa
Edith Berdena Hughes	Stockport
Myra Gertrude Hutton	Batavia
William Harold Julian	Fairfield
Bernice McCampbell	Fairfield
Helen McCampbell	Fairfield

Clarence C. McClure	Douds
Edna Elvira Sater	New London
Nellie Cassander Sater	New London
Olive Mae Sewall	Petersburg, Ill.
Madge Abigail Shelby	Selma
Alford Hermon Twinam	Crawfordsville
George Oliver Wirtz	Fairfield

SPECIALS.

Mabel Almira Blake	Mediapolis
Harry Dahlman	Chicago, Ill.
Richard Leslie Hughes	Columbus Junction
Margaret Ann Lyon	Brighton
Zula Cynthia Lyon	Brighton
Merlin Harry Maynard	Fairfield
Amy Blodwen Richards	Cotter
Charles Arthur Speer	Fairfield
Charles Woellhaf	Fairfield

STUDENTS IN SCHOOL OF MUSIC.

PIANO.

Anna Adams,	Mabel Bishop,
Ellen C. Alexander,	Mabel A. Blake,
Edith Anderson,	Ethel Bradshaw,
Lulu Anderson,	Frances E. Bradshaw,
Guy Angstead,	Jessie P. O. Bradshaw,
Annie Baker,	Carrie Brim,
Hester Ball,	Mary J. Calhoun,
Pearl Ball,	Edna Campbell,
Florence L. Bell,	Mary Chidester,
Elaine Bevering,	Estelle Clarke,

Chauncey Connor,
Olive Coppock,
Orrin Coppock,
Alice Cummins,
Harold Daggett,
Ethel Davies,
Jessie May Davies,
Thomas C. Davis,
Cora Diers,
Della Diers,
Edna Faust,
Gertrude Ferris,
Fern Flower,
Violette M. Flower,
Bertie Franz,
Nina Fry,
Elizabeth Funkey,
Inez V. George,
Grace Giese,
Flora M. Gilly,
Lona Graham,
Myrtle Hale,
Marie Hammon,
Myrtle Harper,
Zola Harper,
Ida Harvey,
Fern Hewitt,
Cora Hoagland,
Leiland Holgate,
Nellie Hollander,
Frank Hoskins,
Nellie C. Hull,
Linna Huston,
Harry Israel,

Alice Jackson,
Bertie Kamp,
Mrs. Orrin J. Kellogg,
Guy King,
Harry King,
Mrs. King,
Vera King,
Martha Helen Labagh,
Leila Lawson,
Lillian Le Gresley,
Della Liblin,
Lenore Vespersia Luce,
Bonnie M. Manatrey,
Jessie F. Manatrey,
May McClain,
Eva McDaniel,
Ruby McKim,
Dora Payne,
Emeline Peterson,
Buelah E. Picken,
Mabel Raines,
Alice Randall,
Blanche Root,
Edna Roth,
Ethel Roth,
Dr. Elizabeth Saddon,
Annie Sappenfield,
Amy Scheffel,
Ivy Scheffel,
Ora Scheffel,
Mattie Schillerstrom,
Blanche Scott,
Esther May Sense,
Leila Blanche Sense,

Clara Shoemaker,
Ara Shores,
Mabel Stanford,
May Thomas,
Lulu Vernon,

Lettie Whitten,
Esther Williams,
Jean Williams,
Jessie Wray,
Nellie Young.

VOICE CULTURE.

Stella Brighton,
Viola Curtis,
Beulah De Marsh,
Helen De Marsh,
Chloe Dysart,
Percy Easton,
Stella M. Fariss,
Elizabeth Funkey,
Ernest Funkey,
Ethel Franz,
Ethel Hendricks,
Theodore E. Higley,
Minta Hoagland,
Hovey H. Hootman,
Anna Howard,
Nellie C. Hull,
Ralph C. Huston,
Myrtle Hyde,
Bertha Julian,
Lillian Le Gresley,

Kate Light,
Margaret A. Lyon,
Zula C. Lyon,
Jessie F. Manatrey,
May McClain,
Bernice McCampbell,
Helen McCampbell,
George H. Mount,
Emeline Peterson,
Edwin Post,
Vivien Post,
Dr. Elizabeth Saddon,
Mrs. Stephenson,
Nellie Stever,
Anna Sullivan,
Goldie Tate,
Leo Thoma,
Roscoe P. Thoma,
Coy Ward,
Thomas Bruce Young.

HARMONY.

Ellen C. Alexander,
Florence L. Bell,
Mabel A. Blake,
Violette M. Flower,
Elizabeth Funkey,
Inez V. George,
Myrtle Hale,

Mrs. King,
Della Liblin,
Emeline Peterson,
Vivien Post,
Amy Richards,
Mabel Stanford,
Nellie Stever.

EAR TRAINING.

Ellen C. Alexander,
Mabel A. Blake,
Jessie May Davies,
Inez V. George,

Margaret A. Lyon,
Nellie C. Sater,
Vivien Post,
Lulu Vernon.

VIOLIN.

Merwin Alexander,
L. C. Ball,
Frances E. Bradshaw,
Hugh Corbett,
Albert Harrison,
Edward Johnson,
Bertha Julian,

Hazel Manatrey,
Esther Moore,
Edward Roth
Ethel Roth,
Bessie Williams,
Camilla Williamson.

GUITAR.

Paul Haney,

Ethel Julian.

CLARINET.

Hugh Griffith.

FLUTE.

Chester Scott.

CORNET.

Chas. Corbitt,

Linna Huston,
Harry Johnson.

TROMBONE.

Chas. Woelhaff.

FRENCH HORN.

William W. Wirtz.

SUMMARY.

THE COLLEGE—

Graduates	8
Seniors.....	9
Junior.....	11
Sophomores	20
Freshmen	26
Specials	11
Total.....	85

THE ACADEMY 42

THE SCHOOL OF MUSIC (net)..... 155

Total..... 282

Literary Students taking Music..... 27

Net Total 255

Alumni Association.

OFFICERS FOR 1902-1903.

CHARLES CARTER, President.

MINNIE B. JENKS, Secretary.

Executive Committee.

HARRY THORNE,

MRS. C. C. TALLMAN,

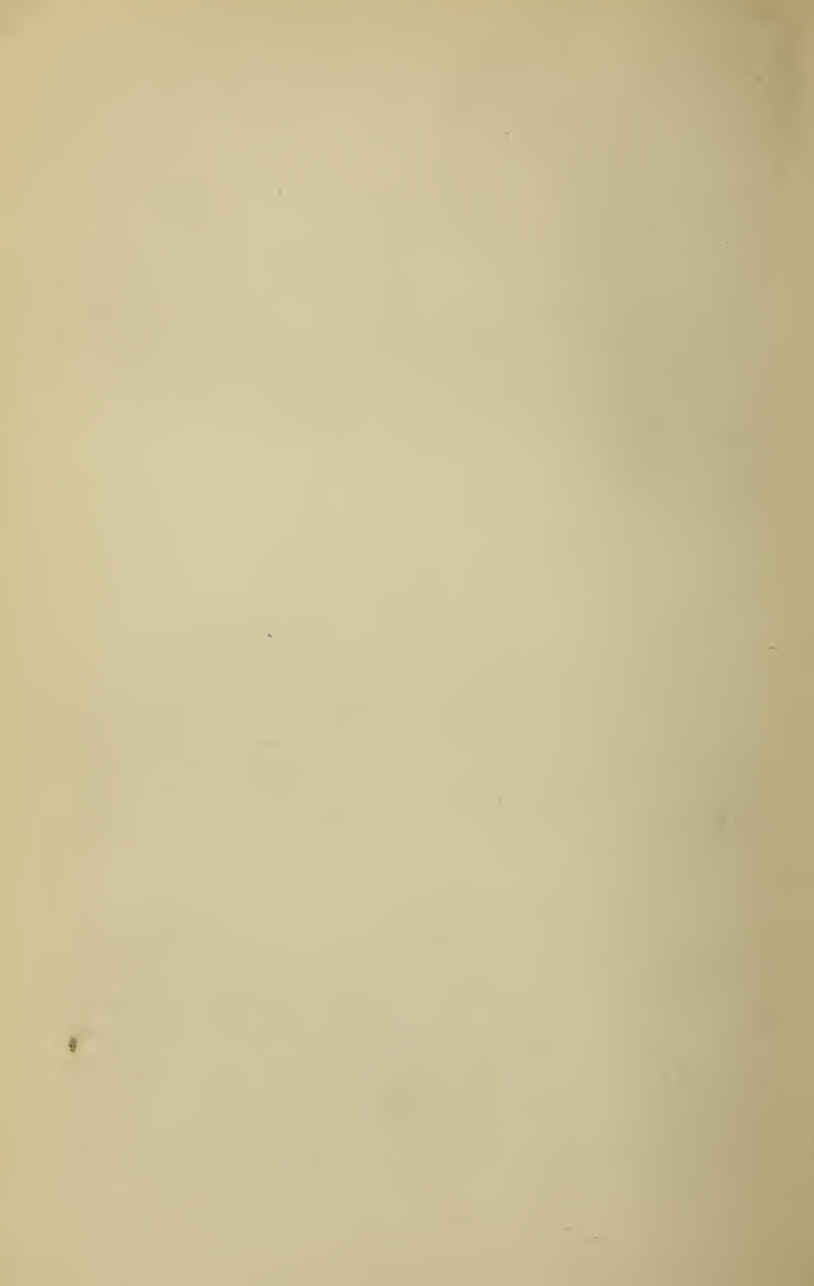
R. DAY HUNT,

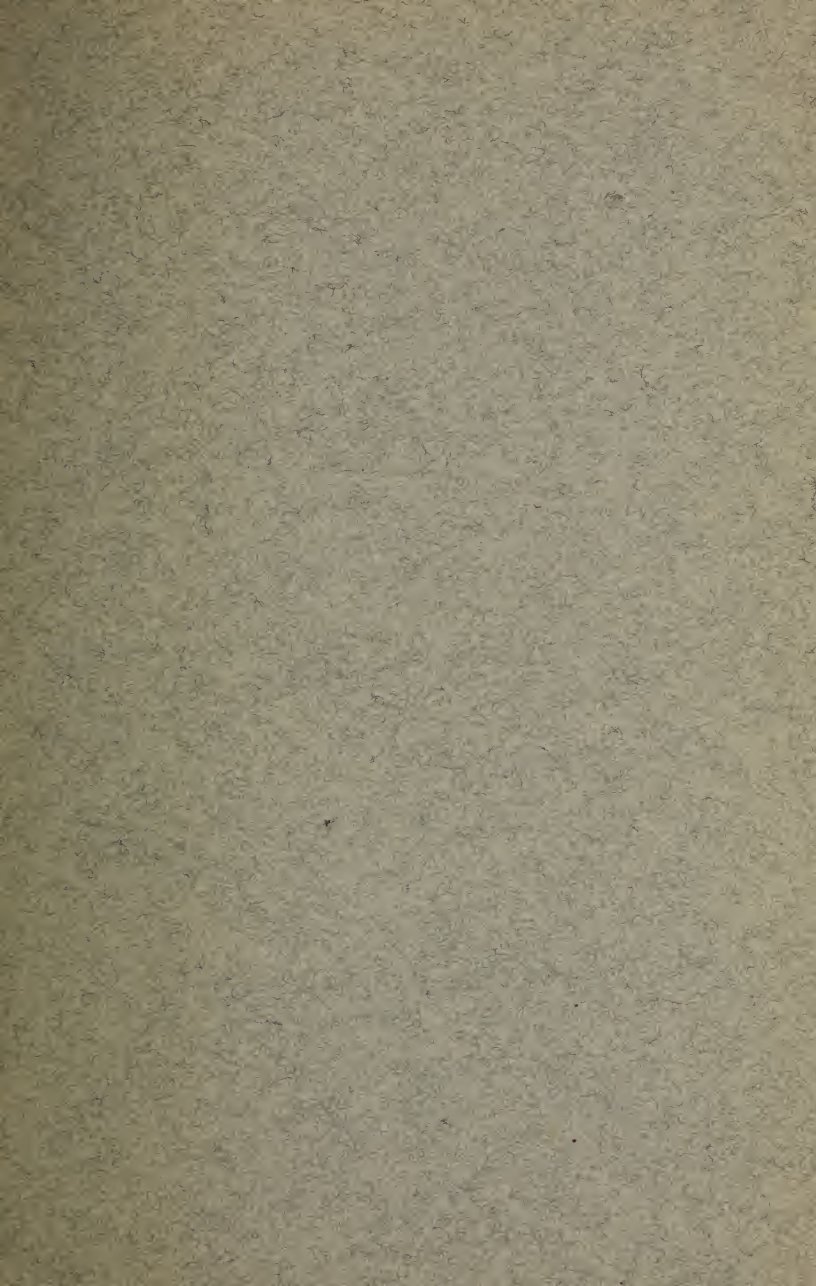
ELIZABETH DAVIES.

NOTE.— *The Bulletin for November, 1902, contains a complete Register of the Faculty and Alumni of the College. So that this Register may be kept thoroughly up to date, changes of address, etc., should be sent at once to G. D. Gable, Secretary of the Faculty.*

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